



ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ

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ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍
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ព្រឹត្តិបត្ររដ្ឋប្បវេណី

OFFICIAL GAZETTE

ប្រកាសនីយបត្រភក្តិកម្ម និង វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍

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Department of Industrial Property



**ការស្នើសុំផ្តល់ប្រកាសនិយមប្រតិបត្តិកម្ម
និងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍
នៅកម្ពុជា**

**Application for Grant of Patent &
Utility Model Certificate**

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ព្រឹត្តិបត្ររដ្ឋបាល

យោងតាមមាត្រា ១១៩ នៃច្បាប់ស្តីពី ប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រម៉ូដែលមាន អត្ថប្រយោជន៍ និងគំនូរ ឧស្សាហកម្មស្រូវ ឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍មានតួនាទីចុះ ផ្សាយនៅក្នុងព្រឹត្តិបត្ររដ្ឋបាល នូវរាល់ព័ត៌មាន ស្តីពីការ ស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រ ម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា ។

ព្រឹត្តិបត្រនេះត្រូវបានបោះពុម្ពដោយ នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម នៃអគ្គនាយកដ្ឋាន ឧស្សាហកម្ម ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍ ដោយអនុលោមតាមប្រការ ២៧ នៃប្រកាសស្តីពី នីតិវិធីផ្តល់ប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រ ម៉ូដែលមានអត្ថប្រយោជន៍។

ការបោះពុម្ពផ្សាយអំពីព័ត៌មាននៃការដាក់ពាក្យស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្ម និងវិញ្ញាបន បត្រម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា មានគោលបំណងផ្សព្វផ្សាយ ដើម្បីផ្តល់ដល់សាធារណជន ឱ្យបាន ដឹងថាតក្កកម្មដែលបានចុះផ្សាយនេះ ត្រូវបានដាក់ស្នើសុំការពារសិទ្ធិកម្មសិទ្ធិបញ្ញានៅក្នុងព្រះរាជាណាចក្រ កម្ពុជាឬបានផ្តល់ ប្រកាសនីយបត្រតក្កកម្មការពារ តក្កកម្មនៅកម្ពុជាអនុលោម តាមច្បាប់ជាធរមាន ឬដាក់ពាក្យស្នើសុំទាំងនេះត្រូវបានលុបចោលដោយភាព ឬសុំដកយកទៅវិញ ។ ដូចនេះសាធារណជន អាចយល់ដឹងបានថាតក្កកម្មទាំងនេះមិនត្រូវបានអនុញ្ញាតឱ្យលួចចម្លង ឬយកទៅធ្វើអាជីវកម្មតាមវិធីណា មួយដោយគ្មានការយល់ព្រមពីម្ចាស់សិទ្ធិបានឡើយ។សាធារណជនអាចធ្វើការប្តឹងដំទាស់ចំពោះពាក្យសុំ ណាដែលមិនសម ស្រប ឬមិនជាក់លាក់។

ព្រឹត្តិបត្រនេះត្រូវបានបោះពុម្ពជា គឺ ភាសាខ្មែរ តែក៏មានប្រើប្រាស់ភាសាអង់គ្លេស ផងដែរ។ ព្រឹត្តិបត្រនេះត្រូវបានចែកចេញជាពីរផ្នែកគឺ ៖

១-ការស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្មកម្ពុជា

១.១ ការបោះពុម្ពប្រភេទ ក

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ពាក្យស្នើសុំផ្តល់ប្រកាសនីយប ត្រតក្កកម្មនៅកម្ពុជា ដោយមិនទាន់បានផ្តល់ប្រកាសនីយបត្រតក្កកម្មនៅកម្ពុជា នៅឡើយ។

១.២ ការបោះពុម្ពប្រភេទ ខ

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ស្នើសុំផ្តល់ប្រកាសនីយបត្រ តក្កកម្មនៅកម្ពុជា ហើយដែលបានផ្តល់ប្រកាសនីយបត្រតក្កកម្មកម្ពុជា។

២-ការស្នើសុំផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា

២.១ ការបោះពុម្ពប្រភេទ ក

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ស្នើសុំផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍នៅកម្ពុជា ដោយមិនទាន់បានផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍នៅកម្ពុជានៅឡើយ។

២.១ ការបោះពុម្ពប្រភេទ ខ

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ពាក្យស្នើសុំផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍នៅកម្ពុជា ហើយដែលបានផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា ។

៣-ការបោះពុម្ពផ្សាយព្រឹត្តិបត្ររដ្ឋបាល

នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម នឹងបោះពុម្ពផ្សាយនូវព្រឹត្តិបត្ររដ្ឋបាល សប្តាហ៍ដើមខែរៀងរាល់បីខែម្តង។ នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម មានសិទ្ធិគ្រប់គ្រាន់ក្នុងការពន្យារពេលបោះពុម្ពផ្សាយក្នុងករណីចាំបាច់។

៣-ការបោះពុម្ពផ្សាយព្រឹត្តិបត្ររដ្ឋបាល

១-ការដាក់ពាក្យស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្ម និងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍

យោងតាមមាត្រា១៦នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍និងគំនូរឧស្សាហកម្ម សំណុំលិខិតស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្មនិងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ត្រូវដាក់ស្នើសុំនៅ នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យានិងនវានុវត្តន៍ ដែលក្នុងនោះរួមមាន ពាក្យសុំ សេចក្តីអធិប្បាយអំពីតក្កកម្ម គំនូរឧស្សាហកម្ម ប្រសិនបើចាំបាច់ និងខ្លឹមសារសង្ខេប និងមានការបង់កម្រៃ ។

យោងតាមមាត្រា១៧នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍និងគំនូរឧស្សាហកម្ម ពាក្យសុំត្រូវមានបញ្ជាក់អំពីអ្វីដែលអាចឈានទៅដល់ការផ្តល់ប្រកាសនីយបត្រតក្កកម្មបានដូចជា នាម និងទិន្នន័យពាក់ព័ន្ធនឹងអ្នកដាក់ពាក្យសុំ តក្កករ និងភ្នាក់ងារតំណាងប្រសិនបើមាន និងចំណងជើងនៃតក្កកម្មនោះ ។

ក្នុងករណីអ្នកដាក់ពាក្យសុំមិនមែនជាតក្កករទេ នោះពាក្យសុំត្រូវតែភ្ជាប់មកជាមួយនូវឯកសារបញ្ជាក់អំពីសិទ្ធិ របស់អ្នកដាក់ពាក្យសុំចំពោះប្រកាសនីយបត្រតក្កកម្មនោះ ។

២- ចំនួនឯកសារ និងការតម្រូវរូបសាស្ត្រ

ចំនួនឯកសារ និងការតម្រូវរូបសាស្ត្រមានដូចខាងក្រោម ៖

- សំណុំលិខិតស្នើសុំ និងឯកសារភ្ជាប់ជាមួយ ត្រូវដាក់ចំនួន ២ ច្បាប់ ។
- ឯកសារទាំងអស់នៃសំណុំលិខិតស្នើសុំ ត្រូវតែបង្ហាញផងដែរ អំពីការអនុញ្ញាតឱ្យផលិតសារជាថ្មី តែម្តងដោយរូបថត ដំណើរការអេឡិចត្រូនិក បោះពុម្ពតាមរបៀបអូហ្សូសិត និងការធ្វើមី ក្រូហ្វិល។ អនុញ្ញាតឱ្យប្រើប្រាស់សន្លឹកក្រដាសតែម្តងសម្រាប់រៀបចំសំណុំលិខិតស្នើសុំ។
- ឯកសារទាំងអស់នៃសំណុំលិខិតស្នើសុំ ត្រូវតែសរសេរលើក្រដាសដែលងាយបត់បាន មាំមិន ងាយរំហែក ពណ៌ស រលោង មិនក្តីចាំង និងរក្សាទុកបានយូរ ។
- ទំហំក្រដាស ត្រូវយកទំហំ អា៤ (២៩,៧ ស.ម ២២១ ស.ម)។
- អត្ថបទទាំងឡាយនៃសំណុំលិខិតស្នើសុំ ត្រូវវាយអង្កុយលើលេខ ឬកុំព្យូទ័រ ។ រីឯនិមិត្តសញ្ញា ក្រាហ្វិក រូបមន្តគីមី ឬរូបមន្តគណិតវិទ្យា និងលក្ខណៈពិសេសផ្សេងទៀត អាចត្រូវបានអនុញ្ញាត ឱ្យសរសេរដៃ ឬគូសបាន ប្រសិនបើចាំ បាច់ ។
- គំនូសបង្ហាញត្រូវគូសបន្ទាត់ឱ្យបានជាប់យូរ ពណ៌ខ្មៅ ដិតល្មម និងចាស់ល្មមមានកម្រាស់ ស្មើគ្នា ច្បាស់ល្អ និងមិន គ្រើម ព្រមទាំងមិនផាត់ពណ៌ធម្មជាតិ ។

៣- សុពលភាព នៃកាលបរិច្ឆេទអាទិភាព

យោងតាមមាត្រា ២៧, មាត្រា ២៨ និងមាត្រា ២៩ នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រ ម៉ូដែលមានអត្ថប្រយោជន៍ និងចុះបញ្ជីគំនូរឧស្សាហកម្ម ចំពោះសិទ្ធិអាទិភាពនៃសំណុំ លិខិតស្នើសុំ ដែលបានចុះបញ្ជីមុនគេ ដោយអ្នកដាក់ពាក្យសុំ ឬដោយអ្នកស្នងជំនួសឱ្យបុព្វជនរបស់ ពួកគេ នៅក្នុងប្រទេសមួយ ឬច្រើន ដែលប្រទេសទាំងនោះ ជាសមាជិកអនុសញ្ញាទីក្រុងប៉ារីស ឬអង្គការ ពាណិជ្ជកម្មពិភពលោក មានសុពលភាព ១២ខែ ចាប់ពីកាលបរិច្ឆេទស្នើសុំចុះបញ្ជី នៅប្រទេស ដែលបានដាក់ពាក្យដំបូង។

៤- រយៈពេលនៃការការពារប្រកាសនីយបត្រតក្កកម្ម និងវិញ្ញាបនបត្រម៉ូដែល មានអត្ថប្រយោជន៍

យោងតាមមាត្រា៤៥នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្មវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ និងគំនូរឧស្សាហកម្ម ប្រកាសនីយបត្រតក្កកម្មមានសុពលភាព ២០ឆ្នាំ គិតចាប់ពីកាលបរិច្ឆេទស្នើសុំចុះ បញ្ជីនៃការស្នើសុំ ប្រកាសនីយបត្រតក្កកម្ម ។

យោងតាមមាត្រា ៧៣ នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ និងគំនូរឧស្សាហកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍មានសុពលភាពរយៈពេល៧ឆ្នាំ គិតចាប់ពីកាលបរិច្ឆេទស្នើសុំ ចុះបញ្ជីនៃការស្នើសុំវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ ។

៥-ម៉ោងធ្វើការ

ថ្ងៃចន្ទ ដល់ ថ្ងៃ សុក្រ ព្រឹក ម៉ោង ៨ ដល់ ម៉ោង ១១:៣០

ល្ងាច ម៉ោង ១៤ ដល់ ១៧ : ៣០

ថ្ងៃសៅរ៍ និង ថ្ងៃអាទិត្យ និងបុណ្យជាតិនានា សម្រាក

៦-ការសួរព័ត៌មាន

សម្រាប់ការសួរព័ត៌មានទាក់ទងទៅនឹងបញ្ហាផ្សេងៗ ដែលមាននៅក្នុងព្រឹត្តិបត្តិការនេះ សូម ទំនាក់ទំនង:

នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍ អាសយដ្ឋាន ៖ លេខ ៤៥ ព្រះនរោត្តម ខ័ណ្ឌ ដូនពេញ ភ្នំពេញ

ទូរស័ព្ទលេខ ៖ ០១២ ៩៨២ ៣៨២

អ៊ីម៉ែល ៖ Adm_dip@yahoo.com

ព្រឹត្តិបត្ររដ្ឋបាលនេះ អាចរកបាននៅនាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម អាសយដ្ឋាន: លេខ ៤៥ ព្រះនរោត្តម ខ័ណ្ឌ ដូនពេញ ភ្នំពេញ។

នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម សូមទទួលនូវការស្វាគមន៍ជានិច្ចចំពោះការផ្តល់យោបល់ការកែតម្រូវនានា ក្នុងគោលបំណងធ្វើឱ្យការបោះពុម្ពផ្សាយនេះកាន់តែមានភាពប្រសើរឡើង ។

សូមអរគុណ !

កំណត់សំគាល់

ការបោះពុម្ពផ្សាយ ខ

Publication B

១-លេខការបោះពុម្ពផ្សាយ	1-Publication number
២- ប្រភេទការបោះពុម្ពផ្សាយ	2-Type of Publication
៣-លេខប្រកាសនីយបត្រតក្កកម្ម	3- Patent Number
៤-អ្នកដាក់ពាក្យសុំ	4 Applicant (s)
៥- តក្កករ	5- Inventor (s)
៦- ភ្នាក់ងារ	6-Agent
៧-លេខសំណុំលិខិតស្នើសុំ	7- Application number
៨-កាលបរិច្ឆេទសុំចុះបញ្ជី	8-Filing date
៩-លេខសំណុំលិខិតស្នើសុំអាទិភាព កាលបរិច្ឆេទអាទិភាព និង ប្រទេសដែលត្រូវបានប្រកាសអាទិភាព	9- Priority Application number (s) Priority date &Priority country
១០- កាលបរិច្ឆេទការផ្តល់	10-Grant date
១១-ចំណងជើងតក្កកម្ម	11- Title of invention
១២-ខ្លឹមសារសង្ខេប	12-Abstract
១៣-គំនូសបង្ហាញ	13-Drawing
១៤- ចំណាត់ថ្នាក់ប្រកាសនីយបត្រតក្កកម្មអន្តរជាតិ	14-International Patent Classification

**ការបោះពុម្ពផ្សាយ
ប្រកាសនីយបត្រភក្តិកម្ម
ចិន**

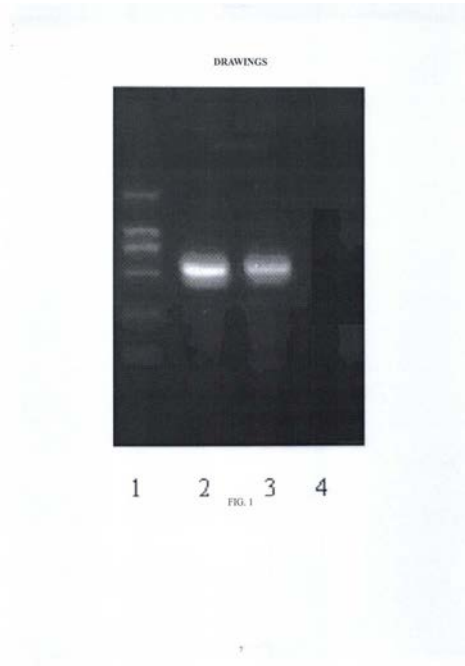
PUBLICATION OF CHINESE PATENT

- ១- KH/P/២០១៩/០០១៣៥ CN
 - ២- ខ
 - ៣- ០០៤២៧
 - ៤- FUJIAN AGRICULTURE AND FORESTRY UNIVERSITY [CN]
 - ៥- HUANG ZHIWEI [CN]; ZHU YIHAN [CN]; WANG LIXING [CN]; CHENG ZUXIN [CN] and HUANG XINYING [CN]
 - ៦- Kimly IP Service
 - ៧- KH/P/២០១៩/០០១៣៥ CN
 - ៨- Receiving Date: ០៦/១១/២០១៩
CN Filing Date: ១៨/០៩/២០១៩ CN Registration Number: ២០១៩១០៥៩៤៧៨៤.X
 - ៩-
 - ១០- ថ្ងៃទី៥ ខែវិច្ឆិកា ឆ្នាំ២០២០
 - ១១- MONACOLIN K-RICH RED YEAST RICE AND PREPARATION METHOD THEREOF
 - ១២- The present invention discloses a Monacolin K-rich red yeast rice and a preparation method thereof. 40 ~trains of monascus obtained by separation are taken as the objects to screen out the monascus strain FG-8 that has a high yield of Monaco lin K and has no production of citrinin. The Monacolin K content in the fermentation product of the monascus strain FG-8 is 2.46 mg/g, which is 2.29 times greater than that of a model strain ACCC3050 I. Through molecular identification, the strain was identified as Monascus rubber. By using the Monascus ruber FG-8 as the starting strain, rice raw materials of 26 different rice varieties were screened, and it is found that when the fermentation is conducted by using the milled rice of the rice variety "Jiazhou red rice" as the substrate, the Monacolin K-rich red yeast rice is obtained. The method for preparing the red yeast rice is simple, and the Monacolin K content as detected under the optimum fermentation conditions is 4.64 mg/g, which is about 8.30 times greater than that of the commercially available Gutian red yeast rice, and no citrinin is detectable.
 - ១៣- None
 - ១៤- C12N 1/14
-

- 1- KH/P/2019/00135 CN
 - 2- B
 - 3- 00427
 - 4- FUJIAN AGRICULTURE AND FORESTRY UNIVERSITY [CN]
 - 5- HUANG ZHIWEI [CN]; ZHU YIHAN [CN]; WANG LIXING [CN]; CHENG ZUXIN [CN] and HUANG XINYING [CN]
 - 6- Kimly IP Service
 - 7- KH/P/2019/00135 CN
 - 8- Receiving Date: 06/11/2019
CN Filing Date: 18/09/2015 CN Registration Number: 201510594784.X
 - 9-
 - 12- 5 November, 2020
 - 13- MONACOLIN K-RICH RED YEAST RICE AND PREPARATION METHOD THEREOF
 - 14- The present invention discloses a Monacolin K-rich red yeast rice and a preparation method thereof. 40 strains of monascus obtained by separation are taken as the objects to screen out the monascus strain FG-8 that has a high yield of Monacolin K and has no production of citrinin. The Monacolin K content in the fermentation product of the monascus strain FG-8 is 2.46 mg/g, which is 2.29 times greater than that of a model strain ACCC3050 I. Through molecular identification, the strain was identified as Monascus ruber. By using the Monascus ruber FG-8 as the starting strain, rice raw materials of 26 different rice varieties were screened, and it is found that when the fermentation is conducted by using the milled rice of the rice variety "Jiazhou red rice" as the substrate, the Monacolin K-rich red yeast rice is obtained. The method for preparing the red yeast rice is simple, and the Monacolin K content as detected under the optimum fermentation conditions is 4.64 mg/g, which is about 8.30 times greater than that of the commercially available Gutian red yeast rice, and no citrinin is detectable.
 - 15- None
 - 16- C12N 1/14
-

- ១- KH/P/២០១៩/០០១៥៨ CN
- ២- ខ
- ៣- ០០៤២៦
- ៤- Poultry Institute, Shandong Academy of Agricultural Sciences
[CN]
- ៥- YUAN, Xiaoyuan [CN]; WANG, Youling [CN]; ZHANG, Yuxia [CN] and XU, Shaojian [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០១៩/០០១៥៨ CN
- ៨- Receiving Date: ២៨/១១/២០១៩
CN Filing Date: ០៦/១២/២០១២ CN Registration Number:
២០១២១០៥៣១៤១៨.៦
- ៩-
- ១០- ថ្ងៃទី១៥ ខែមិថុនា ឆ្នាំ២០២១
- ១១- Method for Detecting Nucleic Acid of Newcastle Disease Virus by RT-PCR
- ១២- The present invention relates to a virus detection method, and particularly relates to a method for detecting nucleic acid of Newcastle disease virus by RT-PCR, including virus multiplication, primer design, nucleic acid extraction, product identification, and sequence identification; the beneficial effects of the present invention are that: according to the method, virus multiplication is performed firstly by chick embryo inoculation, and then PCR detection is performed; an R degenerate primer is made into an F-F primer, which distinguishes the detection of avirulent strain and virulent strain during the detection of the Newcastle disease virus nucleic acid; the detection is accurate, reduces the time for respectively detecting avirulent strain and virulent strain, and solves the problem of easy missing detections in traditional methods.

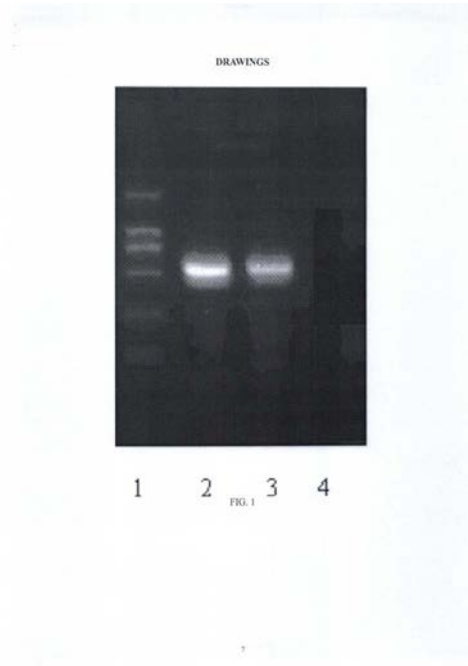
១៣-



១៤- C12Q 1/70

- 1- KH/P/2019/00158 CN
- 2- B
- 3- 00426
- 4- Poultry Institute, Shandong Academy of Agricultural Sciences
[CN]
- 5- YUAN, Xiaoyuan [CN]; WANG, Youling [CN]; ZHANG, Yuxia [CN] and XU,
Shaojian [CN]
- 6- ABACUS IP
- 7- KH/P/2019/00158 CN
- 8- Receiving Date: 28/11/2019
CN Filing Date: 06/12/2012 CN Registration Number: 201210531418.6
- 9-
- 12- 15 June, 2021
- 13- Method for Detecting Nucleic Acid of Newcastle Disease Virus by RT-PCR
- 14- The present invention relates to a virus detection method, and particularly relates to a method for detecting nucleic acid of Newcastle disease virus by RT-PCR, including virus multiplication, primer design, nucleic acid extraction, product identification, and sequence identification; the beneficial effects of the present invention are that: according to the method, virus multiplication is performed firstly by chick embryo inoculation, and then PCR detection is performed; an R degenerate primer is made into an F-F primer, which distinguishes the detection of avirulent strain and virulent strain during the detection of the Newcastle disease virus nucleic acid; the detection is accurate, reduces the time for respectively detecting avirulent strain and virulent strain, and solves the problem of easy missing detections in traditional methods.

15-



16- C12Q 1/70

- ១- KH/P/២០១៩/០០១៦៦ CN
 - ២- ខ
 - ៣- ០០៤១៨
 - ៤- Jiangsu Vocational Institute of Architectural Technology [CN]
 - ៥- LIN LIJUAN [CN]; TIAN GUOHUA [CN]; LIU WEI [CN]; WANG GUOAN [CN]; MIAO ZHENGKUN [CN] and FANG JIANBANG [CN]
 - ៦- Angkor IP Agent
 - ៧- KH/P/២០១៩/០០១៦៦ CN
 - ៨- Receiving Date: ០៩/១២/២០១៩
CN Filing Date: ១៧/០១/២០១៩ CN Registration Number:
២០១៩១០០២២៨៧៤.៧
 - ៩-
 - ១០- ថ្ងៃទី៦ ខែកញ្ញា ឆ្នាំ២០២៣
 - ១១- METHOD FOR PREPARING HEAT STORAGE CONCRETE BY USING SMELTING STEEL SLAG
 - ១២- The present invention discloses a method for preparing heat storage concrete by using smelting steel slag. The heat storage concrete is prepared by mixing the following raw materials in parts by weight: 34 to 36 parts of basalt, 32 to 34 parts of smelting steel slag, 6 to 10 parts of silicate cement, 15 to 18 parts of slag micro powder, 3 to 5 parts of graphite powder, 3 to 4 parts of silicon micro powder and 0.9 to 1.2 parts of a water reducing agent. The method has the advantage that local resources can be excellently utilized, so that industrial wastes such as smelting steel slag and smelting mineral slag are converted into valuable resources. The prepared heat storage concrete has outstanding comprehensive performances such as compressive strength and bending strength at the high temperature of 200-500°C, the average specific heat of the prepared heat storage concrete is 2.272 J/(g· K) at the temperature difference of 300-500°C, the heat conductivity coefficient of the prepared heat storage concrete is 1.47 W/(m·k), and the theoretical heat storage quantity per cubic heat storage concrete can reach 335.75 kWh.
 - ១៣- None
 - ១៤- C04B 28/04
-

- 1- KH/P/2019/00166 CN
 - 2- B
 - 3- 00418
 - 4- Jiangsu Vocational Institute of Architectural Technology [CN]
 - 5- LIN LIJUAN [CN]; TIAN GUOHUA [CN]; LIU WEI [CN]; WANG GUOAN [CN];
MIAO ZHENGKUN [CN] and FANG JIANBANG [CN]
 - 6- Angkor IP Agent
 - 7- KH/P/2019/00166 CN
 - 8- Receiving Date: 09/12/2019
CN Filing Date: 17/01/2014 CN Registration Number: 201410022874.7
 - 9-
 - 12- 6 September, 2023
 - 13- METHOD FOR PREPARING HEAT STORAGE CONCRETE BY USING
SMELTING STEEL SLAG
 - 14- The present invention discloses a method for preparing heat storage concrete by using smelting steel slag. The heat storage concrete is prepared by mixing the following raw materials in parts by weight: 34 to 36 parts of basalt, 32 to 34 parts of smelting steel slag, 6 to 10 parts of silicate cement, 15 to 18 parts of slag micro powder, 3 to 5 parts of graphite powder, 3 to 4 parts of silicon micro powder and 0.9 to 1.2 parts of a water reducing agent. The method has the advantage that local resources can be excellently utilized, so that industrial wastes such as smelting steel slag and smelting mineral slag are converted into valuable resources. The prepared heat storage concrete has outstanding comprehensive performances such as compressive strength and bending strength at the high temperature of 200-500°C, the average specific heat of the prepared heat storage concrete is 2.272 J/(g·K) at the temperature difference of 300-500°C, the heat conductivity coefficient of the prepared heat storage concrete is 1.47 W/(m·k), and the theoretical heat storage quantity per cubic heat storage concrete can reach 335.75 kWh.
 - 15- None
 - 16- C04B 28/04
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- ១- KH/P/២០២០/០០០១៩ CN
- ២- ខ
- ៣- ០០៣៨០
- ៤- INSTITUTE OF VEGETABLES AND FLOWERS, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
[CN]
- ៥- Zigao Jiao [CN]; Chongqi Wang [CN]; Yumei Dong [CN]; Shouhua Xiao [CN] and Shenghui Li [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០១៩ CN
- ៨- Receiving Date: ២៣/០១/២០២០
CN Filing Date: ២០/០២/២០១៣ CN Registration Number:
២០១៣១០០៥៣៦៩១.៧
- ៩-
- ១០- ថ្ងៃទី១០ ខែកុម្ភៈ ឆ្នាំ២០២៣
- ១១- MELON LIFTING SEEDLING PRUNING AND FRUIT RESERVING EARLY-MATURING METHOD
- ១២- The present invention discloses a melon lifting seedling pruning and fruit reserving early-maturing method, and belongs to the technical field of melon planting. The planting method includes the following steps: performing plant pinching, performing bottom fruit reserving, performing middle fruit reserving and performing top fruit reserving. After plant pinching is performed, three melons are reserved at the bottom of the plant, two melons are reserved in the middle of the plant, and one melon is reserved on the top. Compared with the prior art, the earlymaturing method in the present invention has characteristics as follows: 1) early-maturing: maturity is about 10 days earlier than the conventional method, and total picking time is prolonged by about 10 days, thereby achieving a melon early-maturing effect and greatly increasing income; and 2) yield increase: melons have high nutrient demands in a fruit swelling period, the melons are reserved at the bottom, in the middle and on the top, a contradiction between

stem leaf growth and fruit growth may be coordinated, and a high yield target is finally achieved.

១៣- None

១៤- A01G 22/00

- 1- KH/P/2020/00019 CN
- 2- B
- 3- 00380
- 4- INSTITUTE OF VEGETABLES AND FLOWERS, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
[CN]
- 5- Zigao Jiao [CN]; Chongqi Wang [CN]; Yumei Dong [CN]; Shouhua Xiao [CN] and Shenghui Li [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00019 CN
- 8- Receiving Date: 23/01/2020
CN Filing Date: 20/02/2013 CN Registration Number: 201310053691.7
- 9-
- 12- 10 February, 2023
- 13- MELON LIFTING SEEDLING PRUNING AND FRUIT RESERVING EARLY-MATURING METHOD
- 14- The present invention discloses a melon lifting seedling pruning and fruit reserving early-maturing method, and belongs to the technical field of melon planting. The planting method includes the following steps: performing plant pinching, performing bottom fruit reserving, performing middle fruit reserving and performing top fruit reserving. After plant pinching is performed, three melons are reserved at the bottom of the plant, two melons are reserved in the middle of the plant, and one melon is reserved on the top. Compared with the prior art, the earlymaturing method in the present invention has characteristics as follows: 1) early-maturing: maturity is about 10 days earlier than the conventional method, and total picking time is prolonged by about 10 days, thereby achieving a melon early-maturing effect and greatly increasing income; and 2) yield increase: melons have high nutrient demands in a fruit swelling period, the melons are reserved at the bottom, in the middle and on the top, a contradiction between stem leaf growth and fruit growth may be coordinated, and a high yield target is finally achieved.

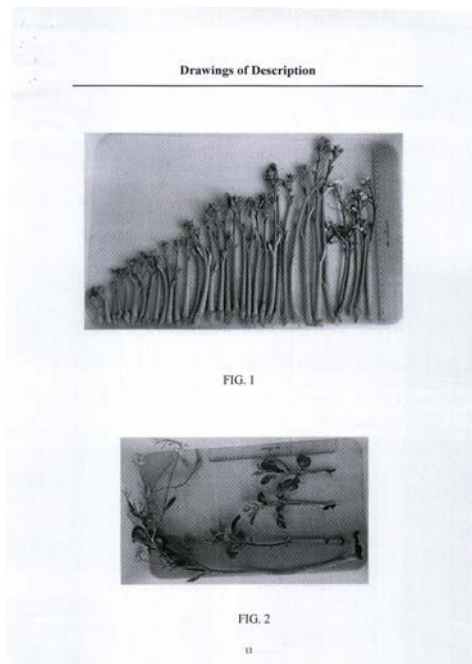
15- None

16- A01G 22/00

- ១- KH/P/២០២០/០០០២០ CN
- ២- ខ
- ៣- ០០៣៨១
- ៤- INSTITUTE OF VEGETABLES AND FLOWERS, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
[CN]
- ៥- Xianxian Liu [CN]; Chen Liu [CN]; Shufen Wang [CN]; Wenling Xu [CN]; Xiao Wang [CN]; Xiaolong Li [CN]; Qiaoyun Li [CN]; Zhigang Zhang [CN]; Zhizhong Zhao [CN] and Shuantao Liu [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០២០ CN
- ៨- Receiving Date: ២៣/០១/២០២០
CN Filing Date: ០១/១១/២០១៣ CN Registration Number:
២០១៣១០៥៣៤៥២២.៥
- ៩-
- ១០- ថ្ងៃទី១០ ខែកុម្ភៈ ឆ្នាំ២០២៣
- ១១- METHOD FOR BREEDING BOLTING-RESISTANT RAPHANUS SATIVUS L. INBRED LINE
- ១២- The present invention discloses a convenient and efficient cutting and seed reproduction method for lateral branches of rap han us sativus L. The method includes the following steps: digging cutting cultivation troughs under the ground, and directly putting matrix soil prepared from white moss peat, bagasse and quartz sand into the troughs; after lateral branches of the raphanus sativus L. grow, selecting optional lateral branches on various levels of vigorous and disease-free lateral branches having lengths of more than 8 em as cutting lateral branches, cutting off leaves having leaf lengths of more than 3cm from the bases, treating buds according to the lengths of the lateral branches, and directly performing cutting after treatment; covering vermiculite on the soil surface after water spraying on the second day of cutting, and putting up a shading net for covering; enabling new leaves to germinate within 5-7 days, and

removing the shading net; and removing the lateral branches of three levels or more growing on the cutting lateral branches, and performing pollination on a covered gauze by released bees. The method in the present invention widens a sampling range of the cutting lateral branches, shortens rooting and seedling delaying time of the lateral branches, needs no transplanting, increases a survival rate of the raphanus sativus L., and ensures that seeds can be harvested at quality and quantity.

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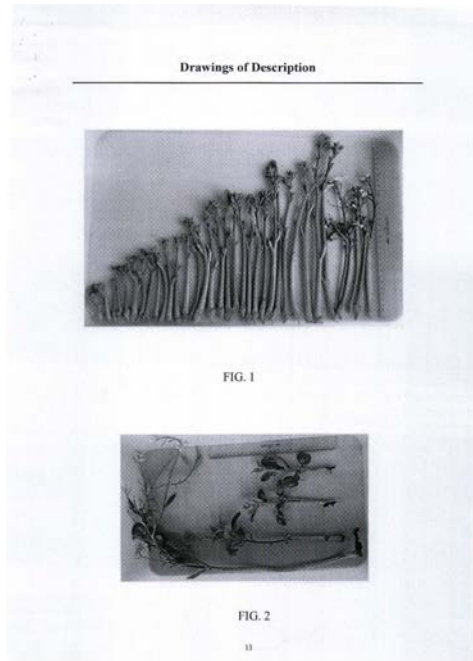


១៤- A01H 1/04

- 1- KH/P/2020/00020 CN
- 2- B
- 3- 00381
- 4- INSTITUTE OF VEGETABLES AND FLOWERS, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
[CN]
- 5- Xianxian Liu [CN]; Chen Liu [CN]; Shufen Wang [CN]; Wenling Xu [CN]; Xiao Wang [CN]; Xiaolong Li [CN]; Qiaoyun Li [CN]; Zhigang Zhang [CN]; Zhizhong Zhao [CN] and Shuantao Liu [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00020 CN
- 8- Receiving Date: 23/01/2020
CN Filing Date: 01/11/2013 CN Registration Number: 201310534522.5
- 9-
- 12- 10 February, 2023
- 13- METHOD FOR BREEDING BOLTING-RESISTANT RAPHANUS SATIVUS L. INBRED LINE
- 14- The present invention discloses a convenient and efficient cutting and seed reproduction method for lateral branches of rap han us sativus L. The method includes the following steps: digging cutting cultivation troughs under the ground, and directly putting matrix soil prepared from white moss peat, bagasse and quartz sand into the troughs; after lateral branches of the raphanus sativus L. grow, selecting optional lateral branches on various levels of vigorous and disease-free lateral branches having lengths of more than 8 em as cutting lateral branches, cutting off leaves having leaf lengths of more than 3cm from the bases, treating buds according to the lengths of the lateral branches, and directly performing cutting after treatment; covering vermiculite on the soil surface after water spraying on the second day of cutting, and putting up a shading net for covering; enabling new leaves to germinate within 5-7 days, and removing the shading net; and removing the lateral branches of three levels or more growing on the cutting lateral branches, and performing pollination on a

covered gauze by released bees. The method in the present invention widens a sampling range of the cutting lateral branches, shortens rooting and seedling delaying time of the lateral branches, needs no transplanting, increases a survival rate of the raphanus sativus L., and ensures that seeds can be harvested at quality and quantity.

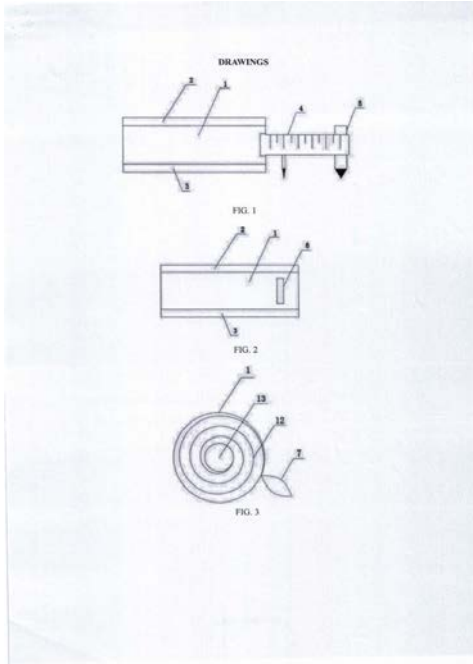
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16- A01H 1/04

- ១- KH/P/២០២០/០០០៣១ CN
- ២- ខ
- ៣- ០០២៨០
- ៤- TAIYUAN UNIVERSITY OF TECHNOLOGY [CN]
- ៥- LU Zhiwen [CN]; LIU Feng [CN]; WEI Xiaojuan [CN]; SUN Yun [CN] and FENG Yan [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០០៣១ CN
- ៨- Receiving Date: ១០/០២/២០២០
CN Filing Date: ២១/១២/២០១៦ CN Registration Number:
២០១៦១១១៩១១៦២.៣
- ៩-
- ១០- ថ្ងៃទី២១ ខែធ្នូ ឆ្នាំ២០២១
- ១១- DEVICE FOR CUTTING AND LIND DRAWING OF DECORATIVE EDGE OF GARMENT
- ១២- The present invention discloses a device for cutting and line drawing of a decorative edge of a garment, belonging to technical field of garment cutting. The device includes a middle tube, where an upper disc and a lower disc are symmetrically mounted at the top and bottom of the middle tube, the right end of the middle tube is connected with a graduated scale, the right end of the graduated scale is movably connected with a ruling pen, a middle shaft is disposed at the center of an inner chamber of the middle tube, and a winding is wound around the middle shaft; and one end of the winding, which is located on the exterior of the middle tube, is connected with a winding head. According to the present invention, a ring and a spiral line can be drawn or cut simultaneously, the radius range of the ring can be effectively enlarged when the ring is drawn or cut, and the radius data can be viewed in real time; an auxiliary method can be provided when the spiral line is drawn or cut according to the present invention, the more accurate ring width and rotation angle are calculated, and the inner side length is estimated, thereby facilitating operation

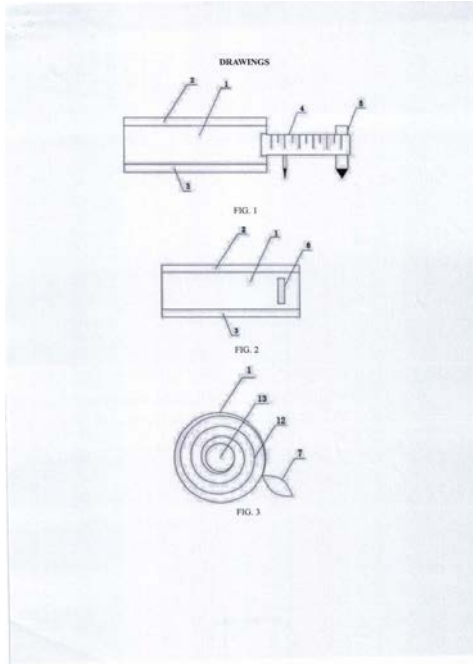
១៣-



១៤- A41H 31/00

- 1- KH/P/2020/00031 CN
- 2- B
- 3- 00428
- 4- TAIYUAN UNIVERSITY OF TECHNOLOGY [CN]
- 5- LU Zhiwen [CN]; LIU Feng [CN]; WEI Xiaojuan [CN]; SUN Yun [CN] and FENG Yan [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00031 CN
- 8- Receiving Date: 10/02/2020
CN Filing Date: 21/12/2016 CN Registration Number: 201611191162.3
- 9-
- 12- 21 December, 2021
- 13- DEVICE FOR CUTTING AND LIND DRAWING OF DECORATIVE EDGE OF GARMENT
- 14- The present invention discloses a device for cutting and line drawing of a decorative edge of a garment, belonging to technical field of garment cutting. The device includes a middle tube, where an upper disc and a lower disc are symmetrically mounted at the top and bottom of the middle tube, the right end of the middle tube is connected with a graduated scale, the right end of the graduated scale is movably connected with a ruling pen, a middle shaft is disposed at the center of an inner chamber of the middle tube, and a winding is wound around the middle shaft; and one end of the winding, which is located on the exterior of the middle tube, is connected with a winding head. According to the present invention, a ring and a spiral line can be drawn or cut simultaneously, the radius range of the ring can be effectively enlarged when the ring is drawn or cut, and the radius data can be viewed in real time; an auxiliary method can be provided when the spiral line is drawn or cut according to the present invention, the more accurate ring width and rotation angle are calculated, and the inner side length is estimated, thereby facilitating operation

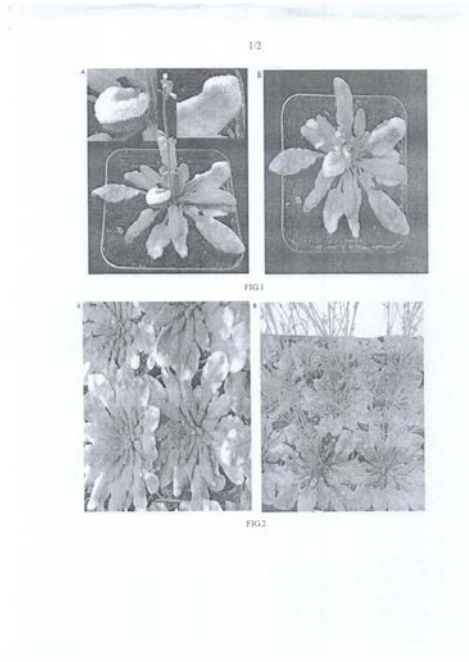
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16- A41H 31/00

- ១- KH/P/២០២០/០០០៣៣ CN
- ២- ខ
- ៣- ០០៤៣៦
- ៤- Vegetable Research Institute, Guangdong Academy of Agricultural Sciences [CN]
- ៥- YAO Chunpeng [CN]; ZHANG Changyuan [CN]; ZHANG Xiaoai [CN]; WU Tingquan [CN]; JIN Qingmin [CN]; WANG Ruijuan [CN] and LI Haida [CN]
- ៦- ANGKOR IP AGENT
- ៧- KH/P/២០២០/០០០៣៣ CN
- ៨- Receiving Date: ២០/០២/២០២០
CN Filing Date: ២៩/០៥/២០១៨ CN Registration Number: ២០១៨១០៥៣១៦៧៥.៧
- ៩-
- ១០- ថ្ងៃទី១៤ ខែមិថុនា ឆ្នាំ២០២៤
- ១១- METHOD FOR PRESERVATION AND PROPAGATION OF CUCURBITS POWDERY MILDEW PATHOGENS
- ១២- The present invention discloses a method for preservation and propagation of cucurbits powdery mildew pathogens. The method comprises the following steps: 1) purifying the cucurbits powdery mildew pathogens in an aseptic condition until a new colony of powdery mildew pathogens appears; 2) infecting Arabidopsis plants by the new colony, and cultivating; 3) replacing with new Arabidopsis plants, cultivating, and repeatedly performing the step to realize the preservation and propagation of the cucurbits powdery mildew pathogens. The method can guarantee the long-term supply of cucurbits powdery mildew pathogens, providing great convenience for related researches of cucurbits powdery mildew; the Arabidopsis plant is easy to plant and cultivate with low cost of seed, low cost of planting and cultivating, and small occupied space, so the problems with tedious long-term preservation and propagation process, the high planting and maintaining cost and the large occupied space are solved. The method is simple and easy, economical, convenient, and wide in applicability.

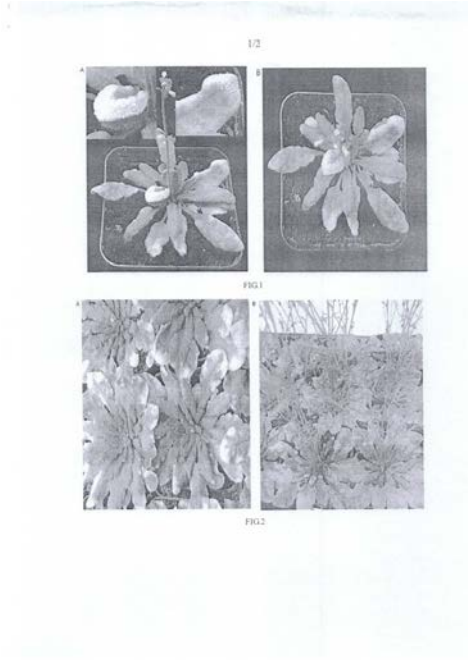
១៣-



១៤- C12N 1/04

- 1- KH/P/2020/00033 CN
- 2- B
- 3- 00436
- 4- Vegetable Research Institute, Guangdong Academy of Agricultural Sciences
[CN]
- 5- YAO Chunpeng [CN]; ZHANG Changyuan [CN]; ZHANG Xiaoai [CN]; WU
Tingquan [CN]; JIN Qingmin [CN]; WANG Ruijuan [CN] and LI Haida [CN]
- 6- ANGKOR IP AGENT
- 7- KH/P/2020/00033 CN
- 8- Receiving Date: 20/02/2020
CN Filing Date: 29/05/2018 CN Registration Number: 201810531675.7
- 9-
- 12- 14 June, 2024
- 13- METHOD FOR PRESERVATION AND PROPAGATION OF CUCURBITS
POWDERY MILDEW PATHOGENS
- 14- The present invention discloses a method for preservation and propagation of
cucurbits powdery mildew pathogens. The method comprises the following
steps: 1) purifying the cucurbits powdery mildew pathogens in an aseptic
condition until a new colony of powdery mildew pathogens appears; 2) infecting
Arabidopsis plants by the new colony, and cultivating; 3) replacing with new
Arabidopsis plants, cultivating, and repeatedly performing the step to realize the
preservation and propagation of the cucurbits powdery mildew pathogens. The
method can guarantee the long-term supply of cucurbits powdery mi l dew
pathogens, providing great convenience for related researches of cucurbits
powdery mildew; the Arabidopsis plant is easy to plant and cultivate with low
cost of seed, low cost of planting and cultivating, and small occupied space, so
the problems with tedious long-term preservation and propagation process, the
high planting and maintaining cost and the large occupied space are solved. The
method is simple and easy, economical, convenient, and wide in applicability.

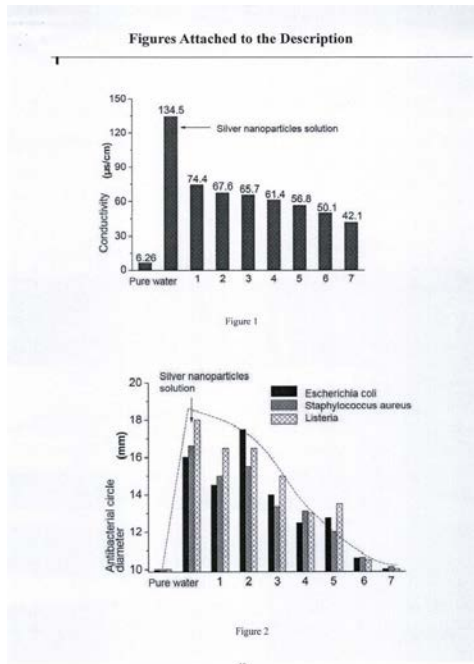
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16- C12N 1/04

- ១- KH/P/២០២០/០០០៣៤ CN
- ២- ខ
- ៣- ០០២៩២
- ៤- Qilu University of Technology [CN]
- ៥- Yang,Pengfei [CN]; Liu,Lian [CN]; Li,Junying [CN] and Wang,Yuexia [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០៣៤ CN
- ៨- Receiving Date: ០៤/០៣/២០២០
CN Filing Date: ២៤/១១/២០១៦ CN Registration Number: ២០១៦១១០៤៥៤៦៥.៤
- ៩-
- ១០- ថ្ងៃទី២៨ ខែធ្នូ ឆ្នាំ២០២១
- ១១- A Method of Preparing Nanometer Silver Antibacterial Materials Based on Diels-Alder Reaction
- ១២- The present invention relates to a method of preparing nanometer silver antibacterial materials based on Diels-Alder reaction. This method first obtains furan functionalized silver nanoparticles solution, then adds such functionalized silver nanoparticles solution into theN, N' - (4, 4' -methylene diphenyl) bismaleimide dissolved in dimethyl formamide, and finally places them under different temperature within the range of 50- 130 °c to stir and react for 1- 6 h respectively so as to get nanometer silver antibacterial materials with different antibacterial activity. The method of the present invention is to have the silver nanoparticles bound together through reversible crosslinking reactions to get nanometer silver antibacterial materials of different morphologies and sizes with controllable and adjustable antibacterial activity based on the DA reaction between furan and bismaleimide. It has expanded the scope of applications of the nanometer silver antibacterial materials.

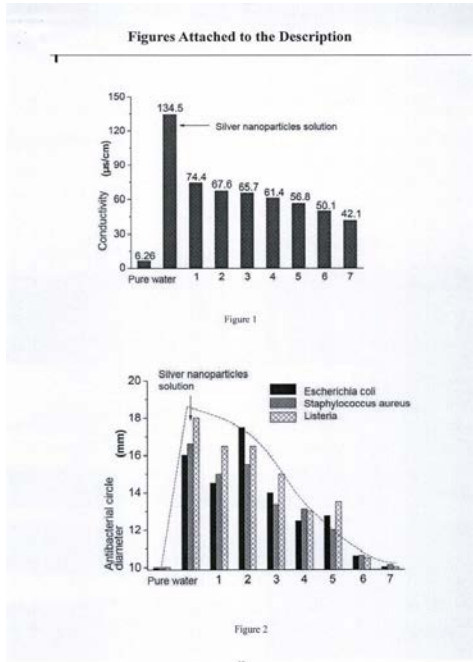
១៣-



១៤- A01N 59/16

- 1- KH/P/2020/00034 CN
- 2- B
- 3- 00437
- 4- Qilu University of Technology [CN]
- 5- Yang,Pengfei [CN]; Liu,Lian [CN]; Li,Junying [CN] and Wang,Yuexia [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00034 CN
- 8- Receiving Date: 04/03/2020
CN Filing Date: 24/11/2016 CN Registration Number: 201611045465.4
- 9-
- 12- 28 December, 2021
- 13- A Method of Preparing Nanometer Silver Antibacterial Materials Based on Diels-Alder Reaction
- 14- The present invention relates to a method of preparing nanometer silver antibacterial materials based on Diels-Alder reaction. This method first obtains furan functionalized silver nanoparticles solution, then adds such functionalized silver nanoparticles solution into the N, N' - (4, 4' -methylene diphenyl) bismaleimide dissolved in dimethyl formamide, and finally places them under different temperature within the range of 50- 130 °c to stir and react for 1- 6 h respectively so as to get nanometer silver antibacterial materials with different antibacterial activity. The method of the present invention is to have the silver nanoparticles bound together through reversible crosslinking reactions to get nanometer silver antibacterial materials of different morphologies and sizes with controllable and adjustable antibacterial activity based on the DA reaction between furan and bismaleimide. It has expanded the scope of applications of the nanometer silver antibacterial materials.

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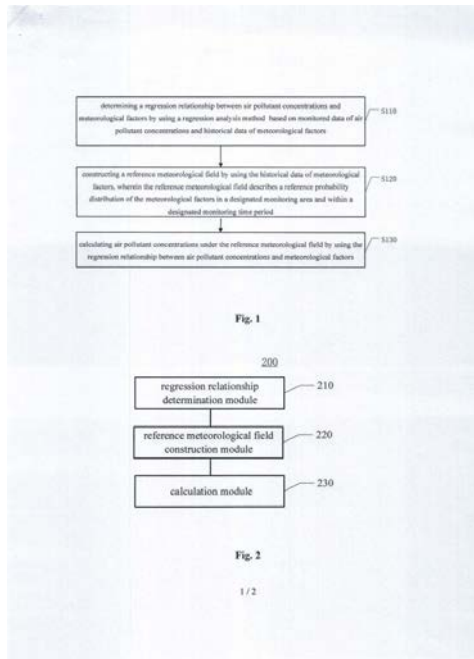
16- A01N 59/16

- ១- KH/P/២០២០/០០០៣៥ CN
 - ២- ខ
 - ៣- ០០៣៣៨
 - ៤- Qilu University of Technology [CN]
 - ៥- WANG ZHAOJIANG [CN]; QIN MENGHUA [CN] and ZHANG YONGCHAO [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២០/០០០៣៥ CN
 - ៨- Receiving Date: ០៤/០៣/២០២០
CN Filing Date: ១៤/០៣/២០១៦ CN Registration Number:
២០១៦១០១៤៤៣៨០.៥
 - ៩-
 - ១០- ថ្ងៃទី៣ ខែសីហា ឆ្នាំ២០២២
 - ១១- A Washing and Solvent Recycling Method for Paper Pulp Obtained Through Organic Solvent Method
 - ១២- The invention relates to a washing and solvent recycling method for paper pulp obtained through an organic solvent method. The method comprises the following steps that paper pulp obtained by pulping through the organic solvent method is washed with one or more organic solvents, then the organic solvents in the paper pulp are evaporated out through evaporation drying, dry paper pulp is obtained, and organic solvent steam is recycled through condensation. The method is suitable for washing paper pulp obtained through the organic solvent method, the organic solvents are used in the whole washing process, involvement of water is avoided, clean dry paper pulp is directly obtained through evaporation drying after washing, and the washing process of paper pulp is simplified. According to the method, due to the fact that water involvement is avoided in the whole process, energy consumption in organic solvent recycling is reduced due to the low boiling point of the organic solvents when the organic solvents are separated and recycled; in addition, azeotrope is not generated, and the trouble brought by azeotropy on organic solvent recycling is saved.
 - ១៣- None
 - ១៤- D21C 9/02
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- 1- KH/P/2020/00035 CN
 - 2- B
 - 3- 00437
 - 4- Qilu University of Technology [CN]
 - 5- WANG ZHAOJIANG [CN]; QIN MENGHUA [CN] and ZHANG YONGCHAO [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00035 CN
 - 8- Receiving Date: 04/03/2020
CN Filing Date: 14/03/2016 CN Registration Number: 201610144380.5
 - 9-
 - 12- 3 August, 2022
 - 13- A Washing and Solvent Recycling Method for Paper Pulp Obtained Through Organic Solvent Method
 - 14- The invention relates to a washing and solvent recycling method for paper pulp obtained through an organic solvent method. The method comprises the following steps that paper pulp obtained by pulping through the organic solvent method is washed with one or more organic solvents, then the organic solvents in the paper pulp are evaporated out through evaporation drying, dry paper pulp is obtained, and organic solvent steam is recycled through condensation. The method is suitable for washing paper pulp obtained through the organic solvent method, the organic solvents are used in the whole washing process, involvement of water is avoided, clean dry paper pulp is directly obtained through evaporation drying after washing, and the washing process of paper pulp is simplified. According to the method, due to the fact that water involvement is avoided in the whole process, energy consumption in organic solvent recycling is reduced due to the low boiling point of the organic solvents when the organic solvents are separated and recycled; in addition, azeotrope is not generated, and the trouble brought by azeotropy on organic solvent recycling is saved.
 - 15- None
 - 16- D21C 9/02
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- ១- KH/P/២០២០/០០០៣៦ CN
- ២- ខ
- ៣- ០០៣២៨
- ៤- Peking University [CN]
- ៥- CHEN SONGXI [CN]; ZHANG SHUYI [CN] and LIANG XUAN [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០០៣៦ CN
- ៨- Receiving Date: ០៦/០៣/២០២០
CN Filing Date: ១១/១០/២០១៨ CN Registration Number:
២០១៨១១១៨៣៥១២.០
- ៩-
- ១០- ថ្ងៃទី២៧ ខែមិថុនា ឆ្នាំ២០២២
- ១១- Method, Apparatus and Device for Evaluating Air Quality and Storage Medium
- ១២- The present application discloses a method, an apparatus, and a device for evaluating air quality, and a storage medium. The method includes: determining a regression relationship between air pollutant concentrations and meteorological factors by using a regression analysis method based on monitored data of air pollutant concentrations and historical data of meteorological factors; constructing a reference meteorological field by using the historical data of meteorological factors, wherein the reference meteorological field describes a reference probability distribution of meteorological factors in a designated monitoring area and within a designated monitoring time period; and calculating air pollutant concentrations under the reference meteorological field by using the regression relationship between air pollutant concentrations and meteorological factors so as to evaluate air quality. According to the method, the apparatus, and the device for evaluating air quality and the storage medium provided in embodiments of the present application, actual air quality can be objectively reflected, and the results of evaluation for air quality are more accurate.

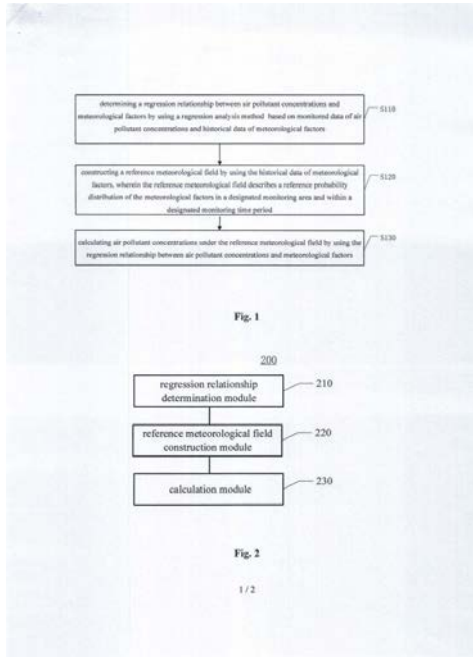
១៣-



១៤- G01N 33/00

- 1- KH/P/2020/00036 CN
- 2- B
- 3- 00328
- 4- Peking University [CN]
- 5- CHEN SONGXI [CN]; ZHANG SHUYI [CN] and LIANG XUAN [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00036 CN
- 8- Receiving Date: 06/03/2020
CN Filing Date: 11/10/2018 CN Registration Number: 201811183512.0
- 9-
- 12- 27 June, 2022
- 13- Method, Apparatus and Device for Evaluating Air Quality and Storage Medium
- 14- The present application discloses a method, an apparatus, and a device for evaluating air quality, and a storage medium. The method includes: determining a regression relationship between air pollutant concentrations and meteorological factors by using a regression analysis method based on monitored data of air pollutant concentrations and historical data of meteorological factors; constructing a reference meteorological field by using the historical data of meteorological factors, wherein the reference meteorological field describes a reference probability distribution of meteorological factors in a designated monitoring area and within a designated monitoring time period; and calculating air pollutant concentrations under the reference meteorological field by using the regression relationship between air pollutant concentrations and meteorological factors so as to evaluate air quality. According to the method, the apparatus, and the device for evaluating air quality and the storage medium provided in embodiments of the present application, actual air quality can be objectively reflected, and the results of evaluation for air quality are more accurate.

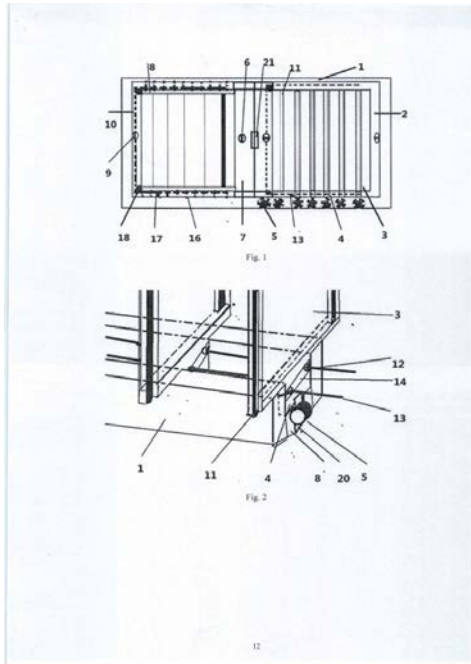
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16- G01N 33/00

- ១- KH/P/២០២០/០០០៣៨ CN
- ២- ខ
- ៣- ០០២០៦
- ៤- Qingdao University [CN]
- ៥- YU, Zhenghe [CN]; ZHAO, Yuankun [CN]; CHI, Qingdong [CN]; LIU, Shanshan [CN]; ZHOU, Mo [CN]; LIU, Fengyi [CN] and YU, Ziyang [CN]
- ៦- CLIP IP CONSULTING SERVICE
- ៧- KH/P/២០២០/០០០៣៨ CN
- ៨- Receiving Date: ១២/០៣/២០២០
CN Filing Date: ១០/០៥/២០១៧ CN Registration Number:
២០១៧១០៣២៥២៥៩.៧
- ៩-
- ១០- ថ្ងៃទី១៤ ខែកក្កដា ឆ្នាំ២០២១
- ១១- SHEET-LIKE ROTATABLE GLASS WINDOW
- ១២- The invention belongs to the technical field of the fabrication of building equipment, and relates to a novel sheet-like rotatable glass window. Each window sash is formed by overlapped connection of a plurality of sheet-like glass panes; a rotation device have one end connected with upper and lower ends of each sheet-like glass pane and the other end connected with a pulley which is installed in a pulley track on an external window frame; a rotation device switch is installed on a right glass window frame which is installed on the external window frame and able to horizontally move along the external window frame; and a sealing device is installed in the external window frame, and a sealing device switch is installed in a left glass window frame fixed to the external window frame. When the window needs to be closed, the rotation device switch is turned off first to make all the sheet-like glass panes closed, and then the sealing device is started to seal the rotation device, so that outdoor cold air is prevented from entering the room from the bottom of the rotation device. The sheet-like rotatable glass window has a reasonable overall structural design, is convenient to use, increases the ventilation area, and occupies less space.

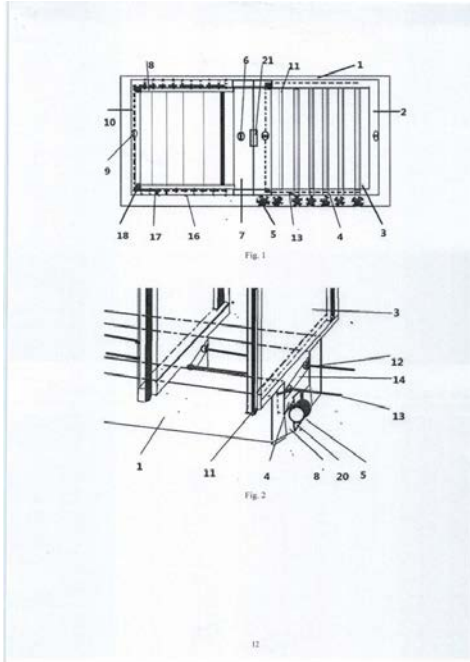
១៣-



១៤- E06B 3/40

- 1- KH/P/2020/00038 CN
- 2- B
- 3- 00437
- 4- Qingdao University [CN]
- 5- YU, Zhenghe [CN]; ZHAO, Yuankun [CN]; CHI, Qingdong [CN]; LIU, Shanshan [CN]; ZHOU, Mo [CN]; LIU, Fengyi [CN] and YU, Ziyang [CN]
- 6- CLIP IP CONSULTING SERVICE
- 7- KH/P/2020/00038 CN
- 8- Receiving Date: 12/03/2020
CN Filing Date: 10/05/2017 CN Registration Number: 201710325259.7
- 9-
- 12- 14 July, 2021
- 13- SHEET-LIKE ROTATABLE GLASS WINDOW
- 14- The invention belongs to the technical field of the fabrication of building equipment, and relates to a novel sheet-like rotatable glass window. Each window sash is formed by overlapped connection of a plurality of sheet-like glass panes; a rotation device have one end connected with upper and lower ends of each sheet-like glass pane and the other end connected with a pulley which is installed in a pulley track on an external window frame; a rotation device switch is installed on a right glass window frame which is installed on the external window frame and able to horizontally move along the external window frame; and a sealing device is installed in the external window frame, and a sealing device switch is installed in a left glass window frame fixed to the external window frame. When the window needs to be closed, the rotation device switch is turned off first to make all the sheet-like glass panes closed, and then the sealing device is started to seal the rotation device, so that outdoor cold air is prevented from entering the room from the bottom of the rotation device. The sheet-like rotatable glass window has a reasonable overall structural design, is convenient to use, increases the ventilation area, and occupies less space.

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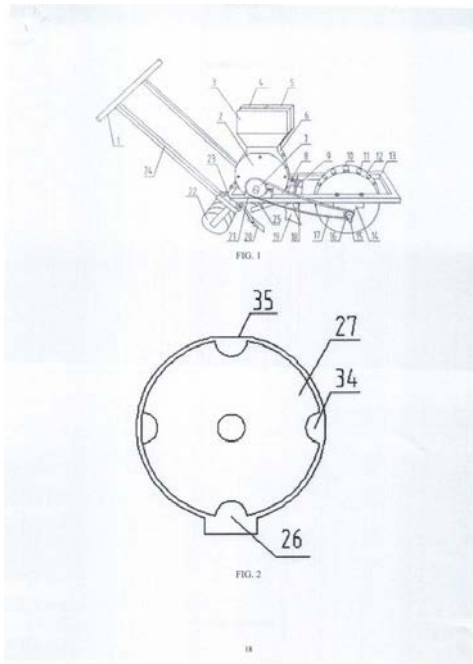


16- E06B 3/40

- ១- KH/P/២០២០/០០០៣៩ CN
- ២- ខ
- ៣- ០០២០៧
- ៤- Qingdao University [CN]
- ៥- YU, Zhenghe [CN]; SHI, Yunpeng [CN]; ZHANG, Hongyu [CN] and LIU, Fengyi [CN]
- ៦- CLIP IP CONSULTING SERVICE
- ៧- KH/P/២០២០/០០០៣៩ CN
- ៨- Receiving Date: ១២/០៣/២០២០
CN Filing Date: ១៦/០៦/២០១៧ CN Registration Number:
២០១៧១០៤៥៩៦៣០.៩
- ៩-
- ១០- ថ្ងៃទី១៤ ខែកក្កដា ឆ្នាំ២០២១
- ១១- Hand-Propelled Automatic Spaced Hybrid Seeding Device
- ១២- The invention belongs to the technical field of the manufacturing of agricultural machines, and relates to a hand-propelled automatic spaced hybrid seeding device which has a main structure comprising a seed tank, a water tank, a fertilizer tank, a big chain wheel, an internal connecting rod, a disc connecting rod, a sleeve, a front wheel, a base, a small chain wheel fixing seat, a front wheel axle, a drive chain, an outer sleeve, a furrowing hoe, a soil scraper, a big chain wheel support seat, a rear wheel, an adjustment bolt, a seeding opening, a disc seeding device, a water pipe, a fertilizer pipe, a water storage unit, a fertilizer storage unit, and seed slots, wherein the seed tank is located on the front side of the upper end of a container connector and is communicated with a disc opening of a disc shell through the container connector, the water tank is located on the left of the rear side of the upper end of the container connector and is communicated with an opening in the upper end of the water storage unit through the container connector, the fertilizer tank is located on the right of the rear side of the upper end of the container connector. The device has a simple main structure, is ingenious in design concept, easy and convenient to operate, good in seeding effect and high in practicability, and has a good application

environment and a broad market prospect.

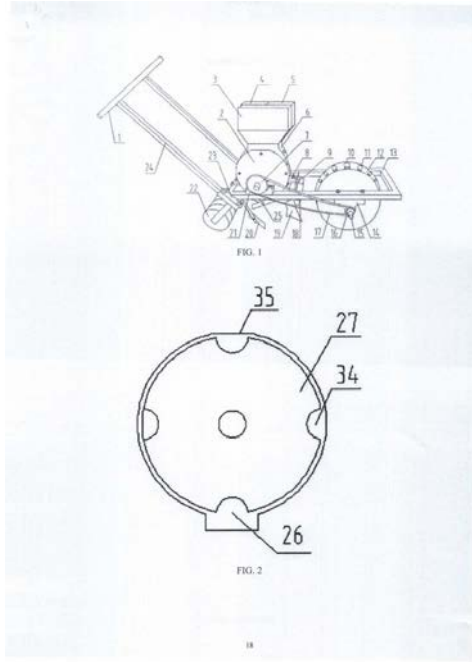
១៣-



១៤- A01C 7/06

- 1- KH/P/2020/00039 CN
- 2- B
- 3- 00437
- 4- Qingdao University [CN]
- 5- YU, Zhenghe [CN]; SHI, Yunpeng [CN]; ZHANG, Hongyu [CN] and LIU, Fengyi [CN]
- 6- CLIP IP CONSULTING SERVICE
- 7- KH/P/2020/00039 CN
- 8- Receiving Date: 12/03/2020
CN Filing Date: 16/06/2017 CN Registration Number: 201710459630.9
- 9-
- 12- 14 July, 2021
- 13- Hand-Propelled Automatic Spaced Hybrid Seeding Device
- 14- The invention belongs to the technical field of the manufacturing of agricultural machines, and relates to a hand-propelled automatic spaced hybrid seeding device which has a main structure comprising a seed tank, a water tank, a fertilizer tank, a big chain wheel, an internal connecting rod, a disc connecting rod, a sleeve, a front wheel, a base, a small chain wheel fixing seat, a front wheel axle, a drive chain, an outer sleeve, a furrowing hoe, a soil scraper, a big chain wheel support seat, a rear wheel, an adjustment bolt, a seeding opening, a disc seeding device, a water pipe, a fertilizer pipe, a water storage unit, a fertilizer storage unit, and seed slots, wherein the seed tank is located on the front side of the upper end of a container connector and is communicated with a disc opening of a disc shell through the container connector, the water tank is located on the left of the rear side of the upper end of the container connector and is communicated with an opening in the upper end of the water storage unit through the container connector, the fertilizer tank is located on the right of the rear side of the upper end of the container connector. The device has a simple main structure, is ingenious in design concept, easy and convenient to operate, good in seeding effect and high in practicability, and has a good application environment and a broad market prospect.

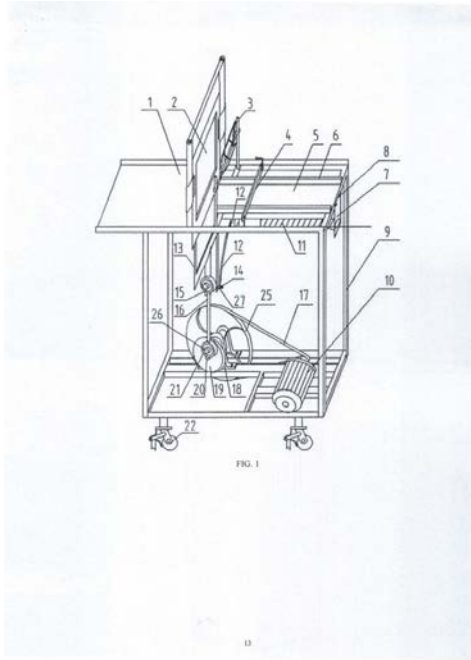
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16- A01C 7/06

- ១- KH/P/២០២០/០០០៤០ CN
- ២- ខ
- ៣- ០០២២៤
- ៤- Qingdao University [CN]
- ៥- YU, Zhenghe [CN]; MA, Wenjing [CN]; CAI, Dong [CN] and SHI, Yunpeng [CN]
- ៦- CLIP IP CONSULTING SERVICE
- ៧- KH/P/២០២០/០០០៤០ CN
- ៨- Receiving Date: ១២/០៣/២០២០
CN Filing Date: ១៧/០៤/២០១៦ CN Registration Number:
២០១៦១០៦៨២៧០៥.៥
- ៩-
- ១០- ថ្ងៃទី៣០ ខែកក្កដា ឆ្នាំ២០២១
- ១១- Semi-Automatic Strip-Shaped Food Slicing Device
- ១២- The semi-automatic strip-shaped food slicing device has a main structure comprising a discharge tray, a cutting blade fixing device, a clamping device, a pushing device, a feed tray, a motor, a screw, a cutting blade, a drive belt, an eccentric wheel, a first drive bearing, a second drive bearing, a bearing connecting column, and the like. According to the semi-automatic strip-shaped food slicing device, a strip-shaped food material is fixedly clamped by a food material clamp which is in turn driven by the motor to convey the strip-shaped food material to a cutter via an inlet, the cutter is driven by the motor to slice the strip-shaped food material, then the sliced food material is conveyed to the tray at an outlet, and in this way, slicing of the strip-shaped food material is realized. The semi-automatic strip-shaped food slicing device has a simple main structure, is convenient to assemble and use and good in safety, and has a good market application prospect and a friendly application environment.

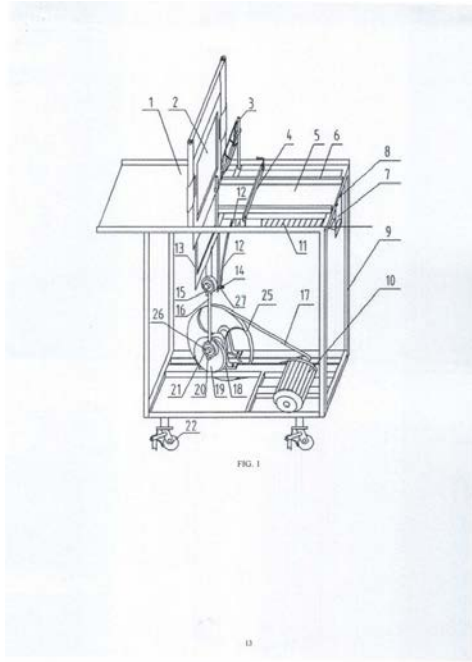
១៣-



១៤- B26D 1/06

- 1- KH/P/2020/00040 CN
- 2- B
- 3- 00437
- 4- Qingdao University [CN]
- 5- YU, Zhenghe [CN]; MA, Wenjing [CN]; CAI, Dong [CN] and SHI, Yunpeng [CN]
- 6- CLIP IP CONSULTING SERVICE
- 7- KH/P/2020/00040 CN
- 8- Receiving Date: 12/03/2020
CN Filing Date: 17/08/2016 CN Registration Number: 201610682705.5
- 9-
- 12- 30 July, 2021
- 13- Semi-Automatic Strip-Shaped Food Slicing Device
- 14- The semi-automatic strip-shaped food slicing device has a main structure comprising a discharge tray, a cutting blade fixing device, a clamping device, a pushing device, a feed tray, a motor, a screw, a cutting blade, a drive belt, an eccentric wheel, a first drive bearing, a second drive bearing, a bearing connecting column, and the like. According to the semi-automatic strip-shaped food slicing device, a strip-shaped food material is fixedly clamped by a food material clamp which is in turn driven by the motor to convey the strip-shaped food material to a cutter via an inlet, the cutter is driven by the motor to slice the strip-shaped food material, then the sliced food material is conveyed to the tray at an outlet, and in this way, slicing of the strip-shaped food material is realized. The semi-automatic strip-shaped food slicing device has a simple main structure, is convenient to assemble and use and good in safety, and has a good market application prospect and a friendly application environment.

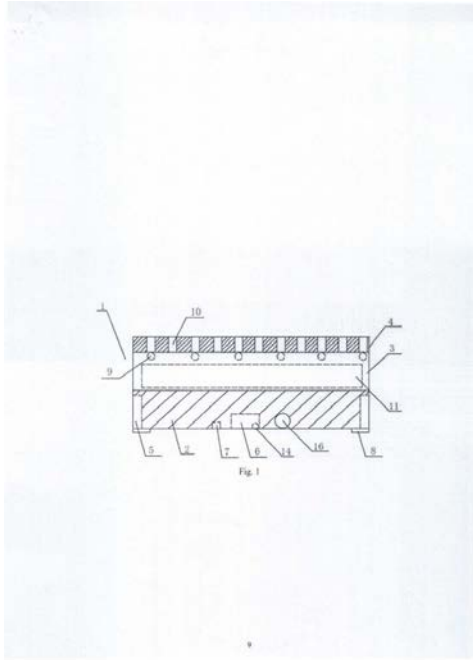
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16- B26D 1/06

- ១- KH/P/២០២០/០០០៤១ CN
- ២- ខ
- ៣- ០០២២៥
- ៤- Qingdao University [CN]
- ៥- YU, Zhenghe [CN]; WANG, Ying [CN]; MA, Wenjing [CN]; HAN, Chen [CN] and CAI, Dong [CN]
- ៦- CLIP IP CONSULTING SERVICE
- ៧- KH/P/២០២០/០០០៤១ CN
- ៨- Receiving Date: ១២/០៣/២០២០
CN Filing Date: ២៦/០៤/២០១៦ CN Registration Number:
២០១៦១០៧២៦៨១៩.៥
- ៩-
- ១០- ថ្ងៃទី២៩ ខែកក្កដា ឆ្នាំ២០២១
- ១១- Portable Intelligent Traffic Sign Blanket
- ១២- The invention belongs to the field of intelligent traffic devices, and relates to a traffic sign blanket, in particular to a portable intelligent traffic sign blanket. A main structure comprises a support main body, a support layer, a photovoltaic layer, a rubber layer, a pressure sensor, a processor, a timer, a fixing base, light-emitting diodes, a photovoltaic hole, a flexible solar cell panel, a sign area, a photovoltaic power generation area, a signal transmitter, and a power connection port. The pressure sensor senses the magnitude of a pressure to transmit a signal to the processor to determine whether or not there is a vehicle on the traffic sign blanket; the processor controls the light-emitting diodes or color display mechanisms at different positions to display different colors; and the internal signal transmitter transmits a related signal stored in the processor to an external terminal to achieve multiple purposes. The portable intelligent traffic sign blanket has a simple principle, a reasonable structural design, a low fabrication cost, and a good application environment and is convenient to move.

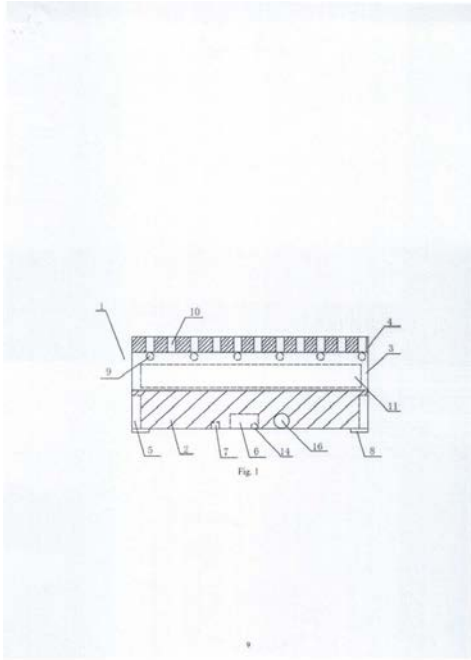
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១៤- E01F 9/582

- 1- KH/P/2020/00041 CN
- 2- B
- 3- 00437
- 4- Qingdao University [CN]
- 5- YU, Zhenghe [CN]; WANG, Ying [CN]; MA, Wenjing [CN]; HAN, Chen [CN] and CAI, Dong [CN]
- 6- CLIP IP CONSULTING SERVICE
- 7- KH/P/2020/00041 CN
- 8- Receiving Date: 12/03/2020
CN Filing Date: 26/08/2016 CN Registration Number: 201610726819.5
- 9-
- 12- 29 July, 2021
- 13- Portable Intelligent Traffic Sign Blanket
- 14- The invention belongs to the field of intelligent traffic devices, and relates to a traffic sign blanket, in particular to a portable intelligent traffic sign blanket. A main structure comprises a support main body, a support layer, a photovoltaic layer, a rubber layer, a pressure sensor, a processor, a timer, a fixing base, light-emitting diodes, a photovoltaic hole, a flexible solar cell panel, a sign area, a photovoltaic power generation area, a signal transmitter, and a power connection port. The pressure sensor senses the magnitude of a pressure to transmit a signal to the processor to determine whether or not there is a vehicle on the traffic sign blanket; the processor controls the light-emitting diodes or color display mechanisms at different positions to display different colors; and the internal signal transmitter transmits a related signal stored in the processor to an external terminal to achieve multiple purposes. The portable intelligent traffic sign blanket has a simple principle, a reasonable structural design, a low fabrication cost, and a good application environment and is convenient to move.

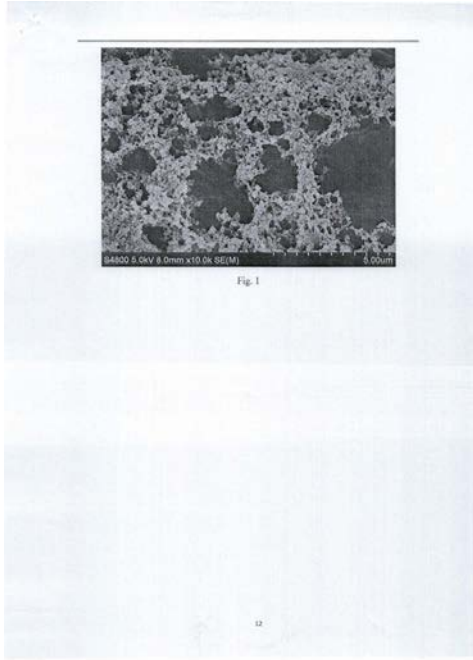
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16- E01F 9/582

- ១- KH/P/២០២០/០០០៤២ CN
- ២- ខ
- ៣- ០០២២៦
- ៤- Qingdao University [CN]
- ៥- DU, Hui [CN]; CHEN, Zhaojun [CN]; JIANG, Peng [CN]; SUN, Deshuai [CN]; FANG, Long [CN] and XIA, Kai [CN]
- ៦- CLIP IP CONSULTING SERVICE
- ៧- KH/P/២០២០/០០០៤២ CN
- ៨- Receiving Date: ១២/០៣/២០២០
CN Filing Date: ១០/១១/២០១៧ CN Registration Number:
២០១៧១១១០៦០៥១.២
- ៩-
- ១០- ថ្ងៃទី៣០ ខែកក្កដា ឆ្នាំ២០២១
- ១១- Preparation of Modified Polyolefin Nonwoven Membranes by Glow Discharge
- ១២- The present invention relates to a preparation of modified polyolefin nonwoven membranes by glow discharge, and belongs to the technical field of polymer modification. The technical scheme of the present invention including: vinyl silane coupling agent is added into deionized water under vigorous stirring to form a vinyl silica nanoparticle hydrosol, then a grafting monomer and an initiator are then added into the vinyl silica nanoparticle hydrosol under stirring and the solution is sealed under N₂; the polyolefin nonwoven membrane is passed through the corona processor at a voltage of 3.0 - 6.0 kV with a speed of 2 - 6 m/min, which is added into the vinyl silica nanoparticle hydrosol containing grafting monomer and initiator immediately to conduct the grafting polymerization; after polymerization, the polyolefin nonwoven membrane IS removed, washed, dried and the modified polyolefin nonwoven membrane is finally obtained. The modified polyolefin nonwoven membranes obtained by the method of the present invention shown superior hydrophilia, alkali absorption rate, alkali absorption quality and thermal stability.

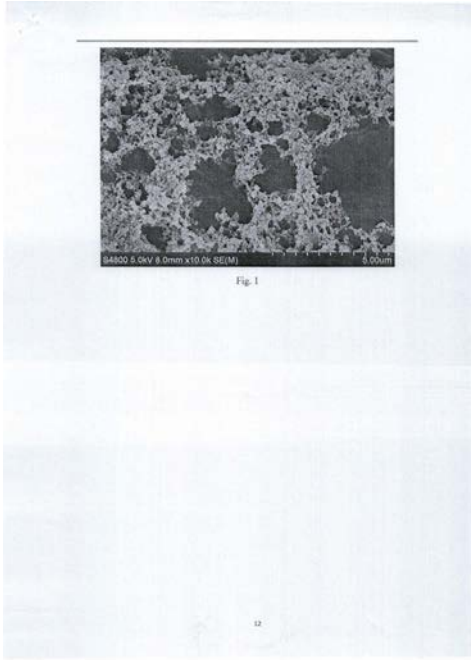
១៣-



១៤- H01M 2/14

- 1- KH/P/2020/00042 CN
- 2- B
- 3- 00437
- 4- Qingdao University [CN]
- 5- DU, Hui [CN]; CHEN, Zhaojun [CN]; JIANG, Peng [CN]; SUN, Deshuai [CN];
FANG, Long [CN] and XIA, Kai [CN]
- 6- CLIP IP CONSULTING SERVICE
- 7- KH/P/2020/00042 CN
- 8- Receiving Date: 12/03/2020
CN Filing Date: 10/11/2017 CN Registration Number: 201711106051.2
- 9-
- 12- 30 July, 2021
- 13- Preparation of Modified Polyolefin Nonwoven Membranes by Glow Discharge
- 14- The present invention relates to a preparation of modified polyolefin nonwoven membranes by glow discharge, and belongs to the technical field of polymer modification. The technical scheme of the present invention including: vinyl silane coupling agent is added into deionized water under vigorous stirring to form a vinyl silica nanoparticle hydrosol, then a grafting monomer and an initiator are then added into the vinyl silica nanoparticle hydrosol under stirring and the solution is sealed under N₂; the polyolefin nonwoven membrane is passed through the corona processor at a voltage of 3.0 - 6.0 kV with a speed of 2 - 6 m/min, which is added into the vinyl silica nanoparticle hydrosol containing grafting monomer and initiator immediately to conduct the grafting polymerization; after polymerization, the polyolefin nonwoven membrane is removed, washed, dried and the modified polyolefin nonwoven membrane is finally obtained. The modified polyolefin nonwoven membranes obtained by the method of the present invention shown superior hydrophilia, alkali absorption rate, alkali absorption quality and thermal stability.

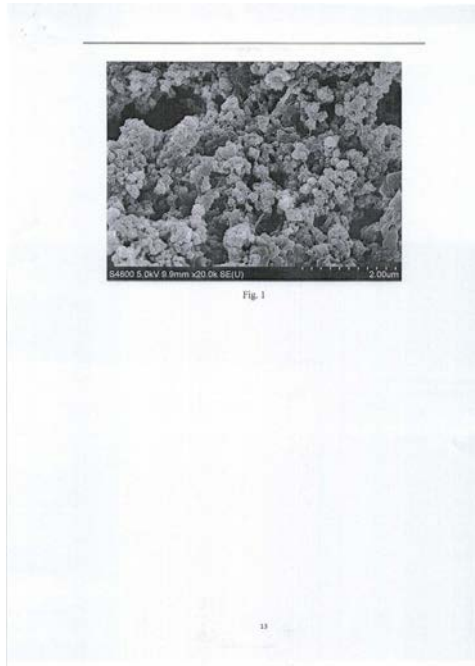
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16- H01M 2/14

- ១- KH/P/២០២០/០០០៤៣ CN
- ២- ខ
- ៣- ០០៤៣៧
- ៤- Qingdao University [CN]
- ៥- DU, Hui [CN]; CHEN, Zhaojun [CN]; SUN, Deshuai [CN]; JIANG, Peng [CN]; FANG, Long [CN] and XIA, Kai [CN]
- ៦- CLIP IP CONSULTING SERVICE
- ៧- KH/P/២០២០/០០០៤៣ CN
- ៨- Receiving Date: ១២/០៣/២០២០
CN Filing Date: ១០/១១/២០១៧ CN Registration Number:
២០១៧១១១០៦០៥២.៧
- ៩-
- ១០- ថ្ងៃទី២៩ ខែកក្កដា ឆ្នាំ២០២១
- ១១- Preparation of Modified Polyolefin Nonwoven Membranes by UV Irradiation
- ១២- The present invention relates to a preparation of modified polyolefin nonwoven membranes by UV irradiation, and belongs to the technical field of polymer modification. The technical scheme of the present invention including: vinyl silane coupling agent is added into deionized water under vigorous stirring to form a vinyl silica nanoparticle hydrosol, then a grafting monomer and an initiator are then added into the vinyl silica nanoparticle hydrosol under stirring and the solution is sealed under N₂; the polyolefin nonwoven membrane is washed by acetone, dried naturally, and soaked in the vinyl silica nanoparticle hydrosol containing grafting monomer and initiator for 10 min; the polyolefin nonwoven membrane after soaking is grafting modified under UV irradiation and N₂ protection; after polymerization, the polyolefin nonwoven membrane IS removed, washed, dried and the modified polyolefin nonwoven membrane IS finally obtained. The modified polyolefin nonwoven membranes obtained by the method of the present invention shown superior hydrophilia, alkali absorption rate, alkali absorption quality and thermal stability.

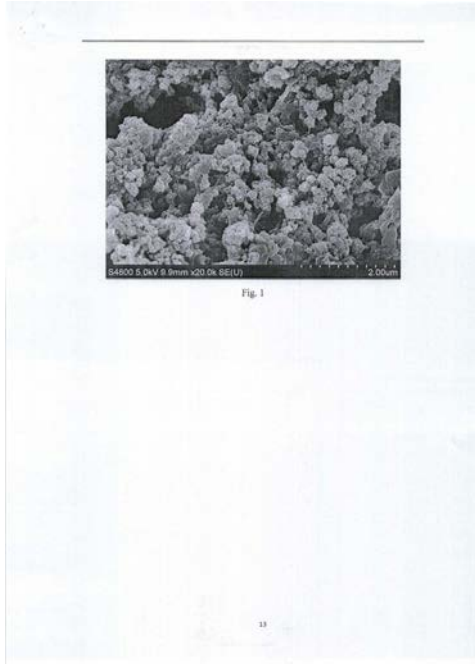
១៣-



១៤- D06M 14/28

- 1- KH/P/2020/00043 CN
- 2- B
- 3- 00437
- 4- Qingdao University [CN]
- 5- DU, Hui [CN]; CHEN, Zhaojun [CN]; SUN, Deshuai [CN]; JIANG, Peng [CN]; FANG, Long [CN] and XIA, Kai [CN]
- 6- CLIP IP CONSULTING SERVICE
- 7- KH/P/2020/00043 CN
- 8- Receiving Date: 12/03/2020
CN Filing Date: 10/11/2017 CN Registration Number: 201711106052.7
- 9-
- 12- 29 July, 2021
- 13- Preparation of Modified Polyolefin Nonwoven Membranes by UV Irradiation
- 14- The present invention relates to a preparation of modified polyolefin nonwoven membranes by UV irradiation, and belongs to the technical field of polymer modification. The technical scheme of the present invention including: vinyl silane coupling agent is added into deionized water under vigorous stirring to form a vinyl silica nanoparticle hydrosol, then a grafting monomer and an initiator are then added into the vinyl silica nanoparticle hydrosol under stirring and the solution is sealed under N₂; the polyolefin nonwoven membrane is washed by acetone, dried naturally, and soaked in the vinyl silica nanoparticle hydrosol containing grafting monomer and initiator for 10 min; the polyolefin nonwoven membrane after soaking is grafting modified under UV irradiation and N₂ protection; after polymerization, the polyolefin nonwoven membrane IS removed, washed, dried and the modified polyolefin nonwoven membrane IS finally obtained. The modified polyolefin nonwoven membranes obtained by the method of the present invention shown superior hydrophilia, alkali absorption rate, alkali absorption quality and thermal stability.

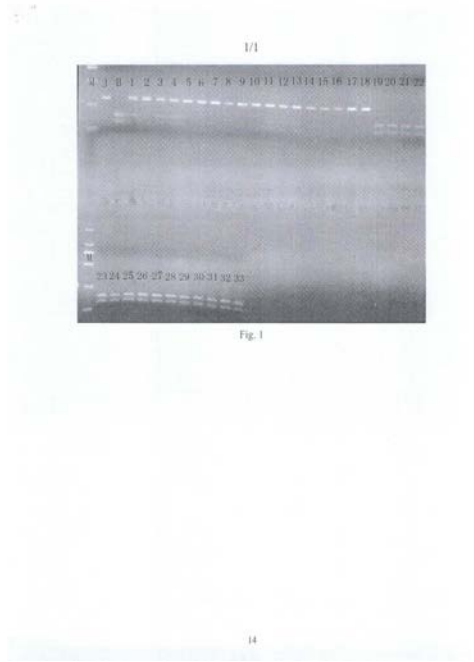
15-



16- D06M 14/28

- ១- KH/P/២០២០/០០០៤៥ CN
- ២- ខ
- ៣- ០០៤៣៧
- ៤- Vegetable Research Institute, Guangdong Academy of Agricultural Sciences [CN]
- ៥- WANG RUI [CN]; WU TINGQUAN [CN]; LIN YU'E [CN]; JIN QINGMIN [CN]; YAO CHUNPENG [CN]; LIANG ZHAOJUN [CN]; HE XIAOMING [CN]; XU XIAOMEI [CN] and YANG XIAOSHAN [CN]
- ៦- Angkor IP Agent
- ៧- KH/P/២០២០/០០០៤៥ CN
- ៨- Receiving Date: ២៣/០៣/២០២០
CN Filing Date: ៣០/០១/២០១៨ CN Registration Number: ២០១៨១០០៨៦៨៧៤.១
- ៩-
- ១០- ថ្ងៃទី១៤ ខែមិថុនា ឆ្នាំ២០២៤
- ១១- SNP Molecular Marker Tightly Linked with Cucumber Phytophthora Blight Resistant Trait and Application Thereof
- ១២- The present invention discloses an SNP molecular marker tightly linked with the phytophthora blight resistant trait of cucumber and application thereof. The molecular marker Cs34190 19 screened in the present invention is tightly linked with the phytophthora blight resistant trait of cucumber, and can be directly used for assisted breeding of phytophthora blight resistant cucumber. Phytophthora blight resistant cucumber materials can be conveniently and rapidly screened by using the CAPs primers for marker amplification designed according to the marker. In the present invention, the breeding process can be accelerated, the breeding cost can be reduced, and the breeding efficiency can be improved. Furthermore, the transition from traditional breeding to molecular breeding can be promoted. The technical solution of the present invention has the advantages of quickness, accuracy, simple operation, and the like, and has great application prospects.

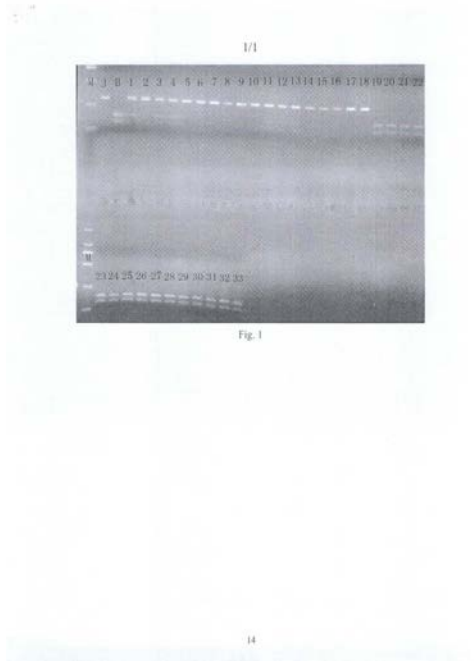
១៣-



១៤- C12N 15/11

- 1- KH/P/2020/00045 CN
- 2- B
- 3- 00438
- 4- Vegetable Research Institute, Guangdong Academy of Agricultural Sciences
[CN]
- 5- WANG RUI [CN]; WU TINGQUAN [CN]; LIN YU'E [CN]; JIN QINGMIN [CN];
YAO CHUNPENG [CN]; LIANG ZHAOJUN [CN]; HE XIAOMING [CN]; XU
XIAOMEI [CN] and YANG XIAOSHAN [CN]
- 6- Angkor IP Agent
- 7- KH/P/2020/00045 CN
- 8- Receiving Date: 23/03/2020
CN Filing Date: 30/01/2018 CN Registration Number: 201810086874.1
- 9-
- 12- 14 June, 2024
- 13- SNP Molecular Marker Tightly Linked with Cucumber Phytophthora Blight
Resistant Trait and Application Thereof
- 14- The present invention discloses an SNP molecular marker tightly linked with the
phytophthora blight resistant trait of cucumber and application thereof. The
molecular marker Cs34190 19 screened in the present invention is tightly linked
with the phytophthora blight resistant trait of cucumber, and can be directly used
for assisted breeding of phytophthora blight resistant cucumber. Phytophthora
blight resistant cucumber materials can be conveniently and rapidly screened by
using the CAPs primers for marker amplification designed according to the
marker. In the present invention, the breeding process can be accelerated, the
breeding cost can be reduced, and the breeding efficiency can be improved.
Furthermore, the transition from traditional breeding to molecular breeding can
be promoted. The technical solution of the present invention has the advantages
of quickness, accuracy, simple operation, and the like, and has great application
prospects.

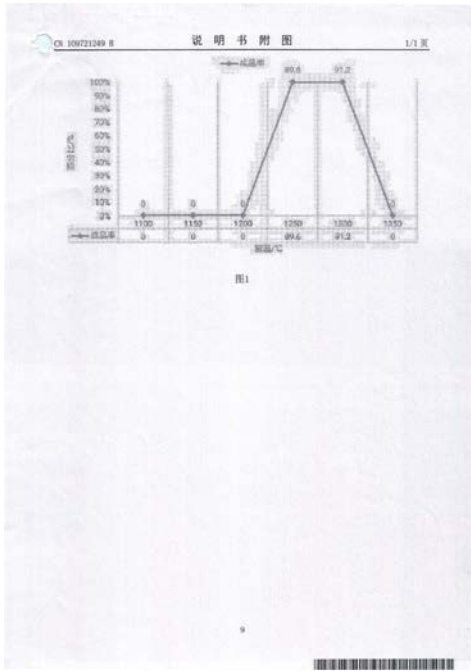
15-



16- C12N 15/11

- ១- KH/P/២០២០/០០០៤៦ CN
- ២- ខ
- ៣- ០០២១៤
- ៤- Qilu University of Technology [CN]
- ៥- Feng, Shanxin [CN]; Sun, Zheng [CN]; Wang, Yurong [CN] and Pan, Shiqiang [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០០៤៦ CN
- ៨- Receiving Date: ២៣/០៣/២០២០
CN Filing Date: ៣១/០១/២០១៩ CN Registration Number:
២០១៩១០១០១០៧៦.៦
- ៩-
- ១០- ថ្ងៃទី១៤ ខែកក្កដា ឆ្នាំ២០២១
- ១១- Preparation Method of a Leaf-Based Ceramic Glaze
- ១២- A preparation method of a leaf-based ceramic glaze includes the steps of performing a low-temperature biscuit firing of a mud with high iron content, and spraying a wood leaf glaze with a specific thickness to perform a high-temperature firing. This preparation method is provided to substitute the traditional method of preparing a leaf-shaped glaze method and has the features of simple operation, stable and reliable firing condition, high operability, and more choices of base glaze colors. The glaze prepared by this preparation method has a metal texture without any heavy metal toxicity and meets the food grade standard, and has the features of significantly improved coloration stability and essentially improved yield. The leaf-based ceramic glaze of the invention can be used in the fields of celadon decoration and daily ceramic decoration or painting.

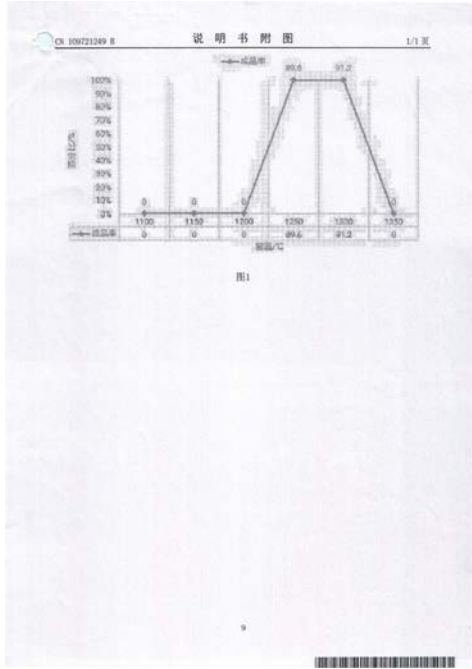
១៣-



១៤- C03C 8/00

- 1- KH/P/2020/00046 CN
- 2- B
- 3- 00438
- 4- Qilu University of Technology [CN]
- 5- Feng, Shanxin [CN]; Sun, Zheng [CN]; Wang, Yurong [CN] and Pan, Shiqiang [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00046 CN
- 8- Receiving Date: 23/03/2020
CN Filing Date: 31/01/2019 CN Registration Number: 201910101076.6
- 9-
- 12- 14 July, 2021
- 13- Preparation Method of a Leaf-Based Ceramic Glaze
- 14- A preparation method of a leaf-based ceramic glaze includes the steps of performing a low-temperature biscuit firing of a mud with high iron content, and spraying a wood leaf glaze with a specific thickness to perform a high-temperature firing. This preparation method is provided to substitute the traditional method of preparing a leaf-shaped glaze method and has the features of simple operation, stable and reliable firing condition, high operability, and more choices of base glaze colors. The glaze prepared by this preparation method has a metal texture without any heavy metal toxicity and meets the food grade standard, and has the features of significantly improved coloration stability and essentially improved yield. The leaf-based ceramic glaze of the invention can be used in the fields of celadon decoration and daily ceramic decoration or painting.

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16- C03C 8/00

- ១- KH/P/២០២០/០០០៤៧ CN
- ២- ខ
- ៣- ០០៤៣៨
- ៤- Vegetable Research Institute, Guangdong Academy of Agricultural Sciences [CN]
- ៥- YAO Chunpeng [CN]; ZHANG Changyuan [CN]; ZHANG Xiaoai [CN]; WU Tingquan [CN]; JIN Qingmin [CN]; LI Haida [CN] and WANG Ruijuan [CN]
- ៦- ANGKOR IP AGENT
- ៧- KH/P/២០២០/០០០៤៧ CN
- ៨- Receiving Date: ២៦/០៣/២០២០
CN Filing Date: ២៩/០៥/២០១៨ CN Registration Number:
២០១៨១០៥៣០៦៨៣.X
- ៩-
- ១០- ថ្ងៃទី១៤ ខែមិថុនា ឆ្នាំ២០២៤
- ១១- Specific Marker and Method for Identifying Purity of Hybrid Seeds of MOMORDICA CHARANTIA CHANG Lv No.2
- ១២- The present invention discloses a specific marker, a marking primer and an identification method for identifying the purity of hybrid seeds of Momordica charantia Chang Lv No. 2. Using the specific marker, the molecular marking primer and the identification method according to the present invention, the hybrid seeds of Momordica charantia Chang Lv No.2 can be distinguished from their male and female parent seeds, and the purity of hybrid seed is allowed to be quickly detected. The present invention has the advantages of high speed, good accuracy, low cost, high throughput, good convenience and practicality, and the like, which can replace a traditional method of identifying purity of hybrid seeds, and has high commercial application value.

១៣-

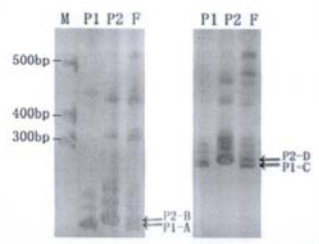


Fig.1



Fig.2



Fig.3

□

១៤- C12Q 1/6895

- 1- KH/P/2020/00047 CN
- 2- B
- 3- 00438
- 4- Vegetable Research Institute, Guangdong Academy of Agricultural Sciences
[CN]
- 5- YAO Chunpeng [CN]; ZHANG Changyuan [CN]; ZHANG Xiaoai [CN]; WU
Tingquan [CN]; JIN Qingmin [CN]; LI Haida [CN] and WANG Ruijuan [CN]
- 6- ANGKOR IP AGENT
- 7- KH/P/2020/00047 CN
- 8- Receiving Date: 26/03/2020
CN Filing Date: 29/05/2018 CN Registration Number: 201810530683.X
- 9-
- 12- 14 June, 2024
- 13- Specific Marker and Method for Identifying Purity of Hybrid Seeds of
MOMORDICA CHARANTIA CHANG Lv No.2
- 14- The present invention discloses a specific marker, a marking primer and an
identification method for identifying the purity of hybrid seeds of Momordica
charantia Chang Lv No. 2. Using the specific marker, the molecular marking
primer and the identification method according to the present invention, the
hybrid seeds of Momordica charantia Chang Lv No.2 can be distinguished from
their male and female parent seeds, and the purity of hybrid seed is allowed to
be quickly detected. The present invention has the advantages of high speed,
good accuracy, low cost, high throughput, good convenience and practicality,
and the like, which can replace a traditional method of identifying purity of hybrid
seeds, and has high commercial application value.

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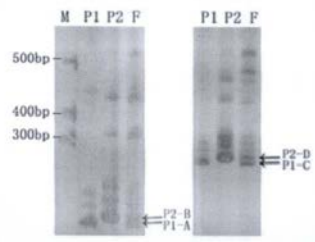


Fig.1



Fig.2



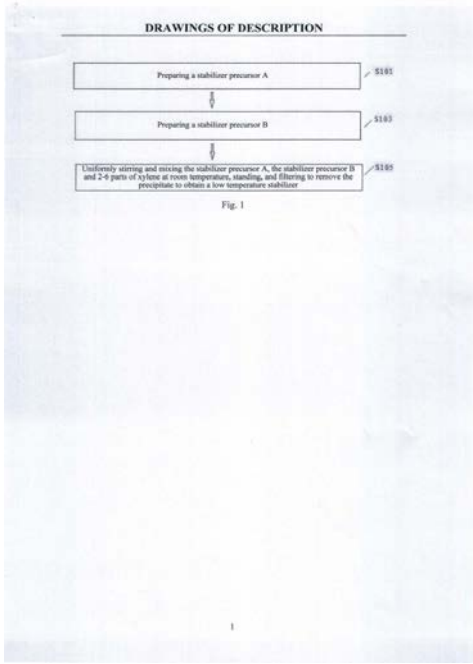
Fig.3

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16- C12Q 1/6895

- ១- KH/P/២០២០/០០០៥២ CN
- ២- ខ
- ៣- ០០៤១៤
- ៤- Hunan Academy of Forestry [CN]
- ៥- Aihua Zhang [CN]; Changzhu Li [CN]; Zhibiao Yi [CN]; Zhihong Xiao [CN]; Rukuan Liu [CN] and Hong Wu [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០៥២ CN
- ៨- Receiving Date: ០៧/០៤/២០២០
CN Filing Date: ០៦/០៥/២០១៥ CN Registration Number:
២០១៥១០២២៥០៧៩.២
- ៩-
- ១០- ថ្ងៃទី៦ ខែកញ្ញា ឆ្នាំ២០២៣
- ១១- Preparation Method of Low Temperature Stabilizer
- ១២- The present invention provides a preparation method of a low temperature stabilizer for bio-based hydrocarbon-rich fuel. The method comprises: preparing a stabilizer precursor A from 3-10 parts of oleic acid, 2-5 parts of polyethylene glycol 400, 2-5 parts of polyethylene glycol 1000, 1-20 parts of cetyltrimethylammonium bromide, 1-10 parts of lauryl methacrylate, 5-10 parts of polyoxyethylene lauryl ether and 10-40 parts of triton; preparing a stabilizer precursor B from 1-5 parts of isobutanol, 1-5 parts of isopropanol, 2-6 parts of octanol, 2-6 parts of propylene glycol, 3-6 parts of Tween 80 and 1-5 parts of diethanolamine; uniformly stirring and mixing the stabilizer precursor A, the stabilizer precursor B and 2-6 parts of xylene at room temperature, standing, and filtering to remove the precipitate to obtain a low temperature stabilizer, wherein each part is a part by volume. The low temperature stabilizer provided by the preparation method can effectively solve the defect of poor low temperature stability of the bio-based hydrocarbon-rich fuel, and can be used in the technical field of application of biomass pyrolysis fuel.

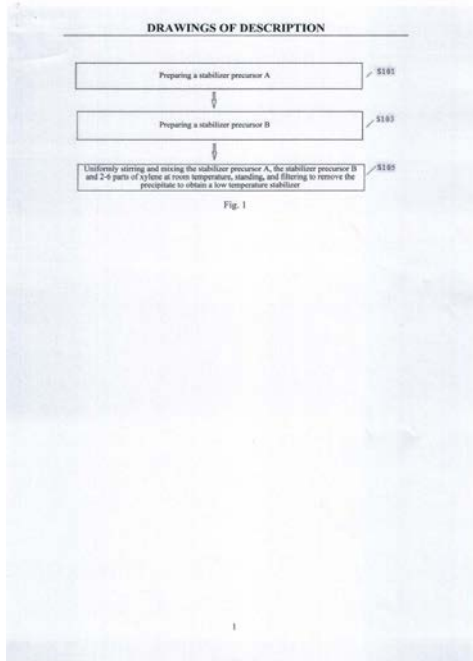
១៣-



១៤- C10L 10/14

- 1- KH/P/2020/00052 CN
- 2- B
- 3- 00414
- 4- Hunan Academy of Forestry [CN]
- 5- Aihua Zhang [CN]; Changzhu Li [CN]; Zhibiao Yi [CN]; Zhihong Xiao [CN];
Rukuan Liu [CN] and Hong Wu [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00052 CN
- 8- Receiving Date: 07/04/2020
CN Filing Date: 06/05/2015 CN Registration Number: 201510225079.2
- 9-
- 12- 6 September, 2023
- 13- Preparation Method of Low Temperature Stabilizer
- 14- The present invention provides a preparation method of a low temperature stabilizer for bio-based hydrocarbon-rich fuel. The method comprises: preparing a stabilizer precursor A from 3-10 parts of oleic acid, 2-5 parts of polyethylene glycol 400, 2-5 parts of polyethylene glycol 1000, 1-20 parts of cetyltrimethylammonium bromide, 1-10 parts of lauryl methacrylate, 5-10 parts of polyoxyethylene lauryl ether and 10-40 parts of triton; preparing a stabilizer precursor B from 1-5 parts of isobutanol, 1-5 parts of isopropanol, 2-6 parts of octanol, 2-6 parts of propylene glycol, 3-6 parts of Tween 80 and 1-5 parts of diethanolamine; uniformly stirring and mixing the stabilizer precursor A, the stabilizer precursor B and 2-6 parts of xylene at room temperature, standing, and filtering to remove the precipitate to obtain a low temperature stabilizer, wherein each part is a part by volume. The low temperature stabilizer provided by the preparation method can effectively solve the defect of poor low temperature stability of the bio-based hydrocarbon-rich fuel, and can be used in the technical field of application of biomass pyrolysis fuel.

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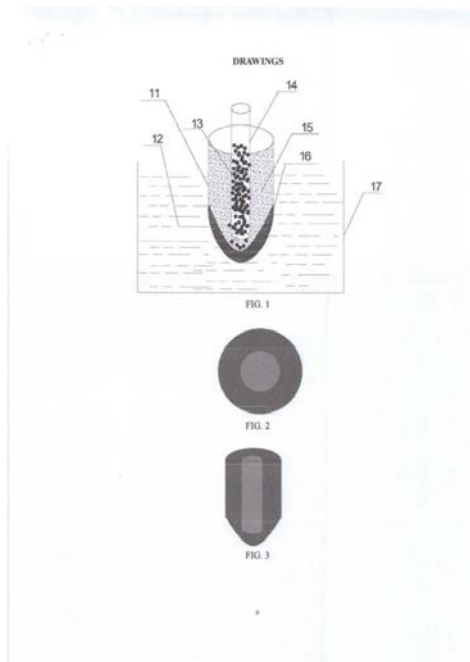


16- C10L 10/14

- ១- KH/P/២០២០/០០០៥៧ CN
- ២- ខ
- ៣- ០០៣៧៥
- ៤- North China University of Science and Technology [CN]
- ៥- ZHENG, Xiaoping [CN]; WEI, Yingli [CN]; SONG, Jinying [CN]; ZHANG, Ronghua [CN]; LI, Hongbin [CN]; TIAN, Yaqiang [CN]; CHEN, Liansheng [CN]; fIANG, Long [CN] and ZHANG, Xinlei [CN]
- ៦- VNP LAW OFFICE
- ៧- KH/P/២០២០/០០០៥៧ CN
- ៨- Receiving Date: ២១/០៤/២០២០
CN Filing Date: ១៨/០៩/២០១៦ CN Registration Number:
២០១៦១០៨២៦៣០៦.១
- ៩-
- ១០- ថ្ងៃទី២៨ ខែធ្នូ ឆ្នាំ២០២២
- ១១- Method for Preparing Bimetallic Composite Ingot by Utilizing Solidification Sump
- ១២- The present invention provides a method for preparing a bimetallic composite ingot by utilizing a solidification sump, including the following steps: a): cooling an inverted cone crucible containing a liquid first metal melt to form a solidification sump by the first metal melt; and b): adding second metal semi-solid slurry into the solidification sump, and obtaining a bimetallic composite ingot after solidification; where the first metal melt and the second metal semi-solid slurry are selected from different metals. The present invention further provides a device for preparing a bimetallic composite ingot. According to the method and device provided by the present invention, the solidification sump with a certain thickness and height can be acquired, which effectively slows down mutual diffusion between the inner layer semi-solid slurry and the outer layer melt. The effective compounding of "the semi-solid slurry/liquid melt" is achieved, and a continuous stable, oxide-free or inclusion-free and high-strength metallurgical bonding interface can be acquired. Therefore, a high-performance bimetallic composite material with gradient distribution characteristics of a semi-solid

structure and a dendritic structure on a macro interface is acquired.

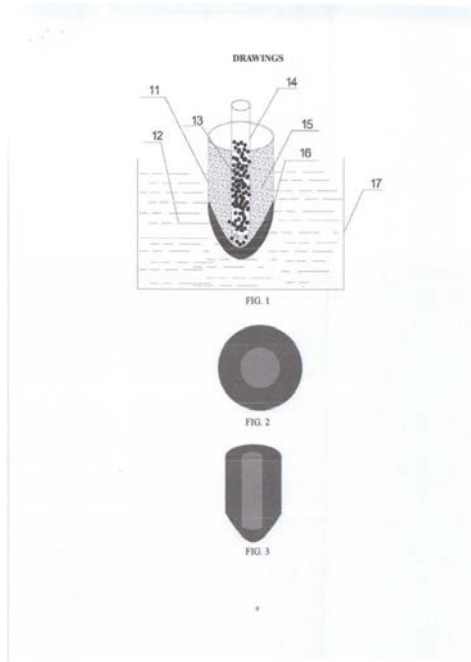
១៣-



១៤- B22D 19/16

- 1- KH/P/2020/00057 CN
- 2- B
- 3- 00439
- 4- North China University of Science and Technology [CN]
- 5- ZHENG, Xiaoping [CN]; WEI, Yingli [CN]; SONG, Jinying [CN]; ZHANG, Ronghua [CN]; LI, Hongbin [CN]; TIAN, Yaqiang [CN]; CHEN, Liansheng [CN]; LIANG, Long [CN] and ZHANG, Xinlei [CN]
- 6- VNP LAW OFFICE
- 7- KH/P/2020/00057 CN
- 8- Receiving Date: 21/04/2020
CN Filing Date: 18/09/2016 CN Registration Number: 201610826306.1
- 9-
- 12- 28 December, 2022
- 13- Method for Preparing Bimetallic Composite Ingot by Utilizing Solidification Sump
- 14- The present invention provides a method for preparing a bimetallic composite ingot by utilizing a solidification sump, including the following steps: a): cooling an inverted cone crucible containing a liquid first metal melt to form a solidification sump by the first metal melt; and b): adding second metal semi-solid slurry into the solidification sump, and obtaining a bimetallic composite ingot after solidification; where the first metal melt and the second metal semi-solid slurry are selected from different metals. The present invention further provides a device for preparing a bimetallic composite ingot. According to the method and device provided by the present invention, the solidification sump with a certain thickness and height can be acquired, which effectively slows down mutual diffusion between the inner layer semi-solid slurry and the outer layer melt. The effective compounding of "the semi-solid slurry/liquid melt" is achieved, and a continuous stable, oxide-free or inclusion-free and high-strength metallurgical bonding interface can be acquired. Therefore, a high-performance bimetallic composite material with gradient distribution characteristics of a semi-solid structure and a dendritic structure on a macro interface is acquired.

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16- B22D 19/16

- ១- KH/P/២០២០/០០០៥៨ CN
 - ២- ខ
 - ៣- ០០២១៧
 - ៤- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - ៥- JIAFU CHEN [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២០/០០០៥៨ CN
 - ៨- Receiving Date: ២២/០៤/២០២០
CN Filing Date: ១៦/០៤/២០០៩ CN Registration Number:
២០០៩១០១១១៥៣១.៧
 - ៩-
 - ១០- ថ្ងៃទី២៧ ខែកក្កដា ឆ្នាំ២០២១
 - ១១- A MICROEMULSIFIED OIL-IN-WATER INSECTICIDE AEROSOL

 - ១២- A microemulsified oil- in-water insecticide aerosol is disclosed in the present invention, comprising: 0.25 ~ 0.55% by weight of Es-bioallethrin, 0.2 ~ 0.35% by weight of permethrin, 0.15 ~ 0.3% by weight of kerosene, 3.5 ~ 5.2% by weight of surfactant, 0.1 ~ 0.3% by weight of weak alkaline preservative, 50 ~ 56% by weight of deionized water and 38 ~ 45% by weight of dimethyl ether. The present invention has the advantages of high efficiency and low toxicity, safe use, no irritating odor, no pollution to the environment, and no trace after use, etc.
 - ១៣- None
 - ១៤- A01N 53/10
-

- 1- KH/P/2020/00058 CN
 - 2- B
 - 3- 00439
 - 4- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - 5- JIAFU CHEN [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00058 CN
 - 8- Receiving Date: 22/04/2020
CN Filing Date: 16/04/2009 CN Registration Number: 200910111531.7
 - 9-
 - 12- 27 July, 2021
 - 13- A MICROEMULSIFIED OIL-IN-WATER INSECTICIDE AEROSOL
 - 14- A microemulsified oil- in-water insecticide aerosol is disclosed in the present invention, comprising: 0.25 ~ 0.55% by weight of Es-bioallethrin, 0.2 ~ 0.35% by weight of permethrin, 0.15 ~ 0.3% by weight of kerosene, 3.5 ~ 5.2% by weight of surfactant, 0.1 ~ 0.3% by weight of weak alkaline preservative, 50 ~ 56% by weight of deionized water and 38 ~ 45% by weight of dimethyl ether. The present invention has the advantages of high efficiency and low toxicity, safe use, no irritating odor, no pollution to the environment, and no trace after use, etc.
 - 15- None
 - 16- A01N 53/10
-

- ១- KH/P/២០២០/០០០៥៩ CN
 - ២- ខ
 - ៣- ០០២៣២
 - ៤- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - ៥- YUNHAO ZHUANG [CN]; GUOYING WEI [CN] and KEXIANG ZHUANG [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២០/០០០៥៩ CN
 - ៨- Receiving Date: ២២/០៤/២០២០
CN Filing Date: ១៨/០៨/២០១៤ CN Registration Number: ២០១៤១០៤០៦៥១៦.៦
 - ៩-
 - ១០- ថ្ងៃទី១៧ ខែសីហា ឆ្នាំ២០២១
 - ១១- Preparation Method of Fructus Ulmi Plant Mosquito-Repellent Incense Having Functions of Soothing Stress and Regulating Sleep
 - ១២- The present invention discloses a fructus ulmi plant mosquito-repellent incense having functions of soothing stress and regulating sleep, and a preparation method thereof. The mosquito-repellent incense, which integrates natural traditional Chinese medicinal materials, is environmentally friendly, safe and free from toxic and side effects, and has relatively high safety performances. The mosquito-repellent incense not only can effectively repel mosquitoes, but also can achieve certain inhibiting and killing effects on various germs and fungi such as staphylococcus, mycobacterium tuberculosis, pseudomonas aeruginosa, gramnegative bacteria and gram-positive bacteria. Meanwhile, the mosquito-repellent incense is aromatic in smell and mild in nature, has refreshing and invigorating effects, and is capable of soothing stress and effectively improving sleep. The mosquito-repellent incense has no adverse effect on a human body, and is suitable for people at all ages.
 - ១៣- None
 - ១៤- A01N 65/40
-

- 1- KH/P/2020/00059 CN
 - 2- B
 - 3- 00439
 - 4- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - 5- YUNHAO ZHUANG [CN]; GUOYING WEI [CN] and KEXIANG ZHUANG [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00059 CN
 - 8- Receiving Date: 22/04/2020
CN Filing Date: 18/08/2014 CN Registration Number: 201410406516.6
 - 9-
 - 12- 17 August, 2021
 - 13- Preparation Method of Fructus Ulmi Plant Mosquito-Repellent Incense Having Functions of Soothing Stress and Regulating Sleep
 - 14- The present invention discloses a fructus ulmi plant mosquito-repellent incense having functions of soothing stress and regulating sleep, and a preparation method thereof. The mosquito-repellent incense, which integrates natural traditional Chinese medicinal materials, is environmentally friendly, safe and free from toxic and side effects, and has relatively high safety performances. The mosquito-repellent incense not only can effectively repel mosquitoes, but also can achieve certain inhibiting and killing effects on various germs and fungi such as staphylococcus, mycobacterium tuberculosis, pseudomonas aeruginosa, gramnegative bacteria and gram-positive bacteria. Meanwhile, the mosquito-repellent incense is aromatic in smell and mild in nature, has refreshing and invigorating effects, and is capable of soothing stress and effectively improving sleep. The mosquito-repellent incense has no adverse effect on a human body, and is suitable for people at all ages.
 - 15- None
 - 16- A01N 65/40
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- ១- KH/P/២០២០/០០០៦០ CN
 - ២- ខ
 - ៣- ០០២៤៧
 - ៤- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - ៥- ZHIFU WU [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២០/០០០៦០ CN
 - ៨- Receiving Date: ២២/០៤/២០២០
CN Filing Date: ០៦/០៥/២០១០ CN Registration Number:
២០១០១០១៧២៩០១.០
 - ៩-
 - ១០- ថ្ងៃទី១០ ខែកញ្ញា ឆ្នាំ២០២១
 - ១១- Water-Based Electrical Mosquito-Repellent Incense Liquor and Producing Method Thereof
 - ១២- The present invention relates to electrical mosquito-repellent incense liquor, in particular to water -based electrical mosquito-repellent incense liquor and producing method thereof. The water -based electrical mosquito-repellent incense liquor comprises the following components by weight: mosquito-repellent agent 0.2 - 1.5%; nonionic surfactant 3 - 1 0%; antioxidant 0.2 - 0.4%; preservative 0.3 - 0.5%; ethanol 10 - 40%; and deionized water. Compared with the prior art, the water -based electrical mosquito-repellent incense liquor of the present invention adopts deionized water instead of oil substances such as kerosene as the matrix of electrical mosquito-repellent incense liquor. It greatly reduces the cost of electrical mosquito-repellent incense liquor by 15 - 20% compared to the oil - based electrical mosquito-repellent incense liquor; in addition, no carbon is generated during use, which is in line with the environmental protection concept of energy conservation and emission reduction.
 - ១៣- None
 - ១៤- A01N 25/04
-

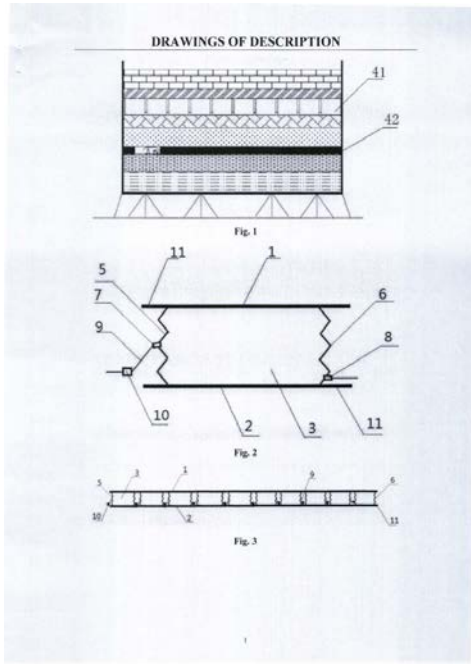
- 1- KH/P/2020/00060 CN
 - 2- B
 - 3- 00439
 - 4- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - 5- ZHIFU WU [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00060 CN
 - 8- Receiving Date: 22/04/2020
CN Filing Date: 06/05/2010 CN Registration Number: 201010172901.0
 - 9-
 - 12- 10 September, 2021
 - 13- Water-Based Electrical Mosquito-Repellent Incense Liquor and Producing Method Thereof
 - 14- The present invention relates to electrical mosquito-repellent incense liquor, in particular to water -based electrical mosquito-repellent incense liquor and producing method thereof. The water -based electrical mosquito-repellent incense liquor comprises the following components by weight: mosquito-repellent agent 0.2 - 1.5%; nonionic surfactant 3 - 1 0%; antioxidant 0.2 - 0.4%; preservative 0.3 - 0.5%; ethanol 10 - 40%; and deionized water. Compared with the prior art, the water -based electrical mosquito-repellent incense liquor of the present invention adopts deionized water instead of oil substances such as kerosene as the matrix of electrical mosquito-repellent incense liquor. It greatly reduces the cost of electrical mosquito-repellent incense liquor by 15 - 20% compared to the oil - based electrical mosquito-repellent incense liquor; in addition, no carbon is generated during use, which is in line with the environmental protection concept of energy conservation and emission reduction.
 - 15- None
 - 16- A01N 25/04
-

- ១- KH/P/២០២០/០០០៦១ CN
 - ២- ខ
 - ៣- ០០២៤៨
 - ៤- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - ៥- HUAAN ZHANG [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២០/០០០៦១ CN
 - ៨- Receiving Date: ២២/០៤/២០២០
CN Filing Date: ០៩/០៩/២០០៨ CN Registration Number:
២០០៨១០០៧១៧៥៩.៣
 - ៩-
 - ១០- ថ្ងៃទី១០ ខែកញ្ញា ឆ្នាំ២០២១
 - ១១- An Incense Stick and Producing Method Thereof
 - ១២- An incense stick and producing method thereof are disclosed. The incense stick comprises the following components by weight: wood powder 40-50 parts by weight; rattan 15-25 parts by weight; 603 rubber powder 6-10 parts by weight; Chinese herbal medicine 15-39 parts by weight. The incense stick made in the present invention has the mosquito repellent effect and can save energy and reduce consumption, and the amount of raw materials consumed is only 1/3 to 1/4, or even 1/5, of ordinary mosquito-repellent incenses, which can achieve the same burning time and mosquito repellent effect as ordinary mosquito-repellent incenses, with full combustion, small smoke and low irritation to the human body. In addition to repel mosquitoes, it also has the special effect of Chinese herbal medicines.
 - ១៣- None
 - ១៤- A01N 25/20
-

- 1- KH/P/2020/00061 CN
 - 2- B
 - 3- 00440
 - 4- Fujian Jinlu Daily Chemicals Co., Ltd [CN]
 - 5- HUAAN ZHANG [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00061 CN
 - 8- Receiving Date: 22/04/2020
CN Filing Date: 09/09/2008 CN Registration Number: 200810071759.3
 - 9-
 - 12- 10 September, 2021
 - 13- An Incense Stick and Producing Method Thereof
 - 14- An incense stick and producing method thereof are disclosed. The incense stick comprises the following components by weight: wood powder 40-50 parts by weight; rattan 15-25 parts by weight; 603 rubber powder 6-10 parts by weight; Chinese herbal medicine 15-39 parts by weight. The incense stick made in the present invention has the mosquito repellent effect and can save energy and reduce consumption, and the amount of raw materials consumed is only 1/3 to 1/4, or even 1/5, of ordinary mosquito-repellent incenses, which can achieve the same burning time and mosquito repellent effect as ordinary mosquito-repellent incenses, with full combustion, small smoke and low irritation to the human body. In addition to repel mosquitoes, it also has the special effect of Chinese herbal medicines.
 - 15- None
 - 16- A01N 25/20
-

- ១- KH/P/២០២០/០០០៦៤ CN
- ២- ខ
- ៣- ០០៣៣៩
- ៤- Anhui University of Science and Technology [CN]
- ៥- Dongdong Pang [CN]; Chenchen Yin [CN]; Dawei Pang [CN] and Chuanming li [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០៦៤ CN
- ៨- Receiving Date: ៣០/០៤/២០២០
CN Filing Date: ០៥/១១/២០១៥ CN Registration Number:
២០១៥១០៧៥៦៦១៥.១
- ៩-
- ១០- ថ្ងៃទី៣ ខែសីហា ឆ្នាំ២០២២
- ១១- UNDERWATER COAL MINING SIMULATION DEVICE AND USING METHOD THEREOF
- ១២- The present invention discloses an underwater coal mining simulation device, comprising a drum (35), a drum driving device and a coal mining machine driving device, wherein the drum (35) is divided into two parts which are symmetrical from left to right; the middle is a gear thread (36) and is connected with the drum driving device (37); spiral blades (38) are arranged on the drum (35); nail teeth (39) are uniformly arranged on the edges of the spiral blades (38); the nail teeth (39) have sharp tips, and the tips are oriented outwards; and the rotation directions of the spiral blades (38) on the left and right parts of the drum (35) are set in reverse, that is, set symmetrically with respect to the gear thread (36).
The underwater coal mining simulation device of the present invention improves the simulation degree of a similar simulation experiment, ensures scientific and reliable experimental data, and can realize underwater automatic confined coal mining and pressure monitoring.

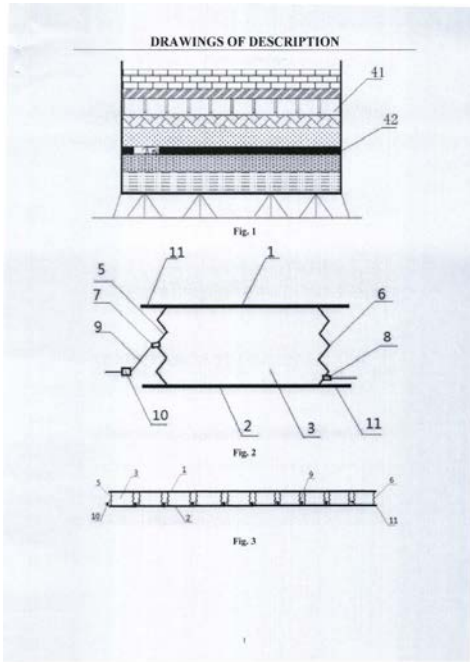
១៣-



១៤- G09B 25/02

- 1- KH/P/2020/00064 CN
- 2- B
- 3- 00339
- 4- Anhui University of Science and Technology [CN]
- 5- Dongdong Pang [CN]; Chenchen Yin [CN]; Dawei Pang [CN] and Chuanming li [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00064 CN
- 8- Receiving Date: 30/04/2020
CN Filing Date: 05/11/2015 CN Registration Number: 201510756615.1
- 9-
- 12- 3 August, 2022
- 13- UNDERWATER COAL MINING SIMULATION DEVICE AND USING METHOD THEREOF
- 14- The present invention discloses an underwater coal mining simulation device, comprising a drum (35), a drum driving device and a coal mining machine driving device, wherein the drum (35) is divided into two parts which are symmetrical from left to right; the middle is a gear thread (36) and is connected with the drum driving device (37); spiral blades (38) are arranged on the drum (35); nail teeth (39) are uniformly arranged on the edges of the spiral blades (38); the nail teeth (39) have sharp tips, and the tips are oriented outwards; and the rotation directions of the spiral blades (38) on the left and right parts of the drum (35) are set in reverse, that is, set symmetrically with respect to the gear thread (36). The underwater coal mining simulation device of the present invention improves the simulation degree of a similar simulation experiment, ensures scientific and reliable experimental data, and can realize underwater automatic confined coal mining and pressure monitoring.

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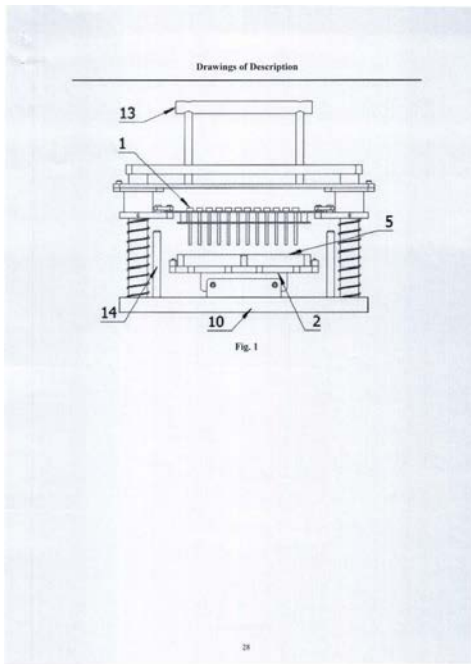


16- G09B 25/02

- ១- KH/P/២០២០/០០០៦៥ CN
- ២- ខ
- ៣- ០០៤២២
- ៤- Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
[CN]
- ៥- Yuqing Liu [CN]; Yanbo Luo [CN]; Lulu Li [CN]; Baohua Huang [CN]; Jing Qi [CN]; Ming Hu [CN]; Qing Zhang [CN] and Yin Zhang [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០៦៥ CN
- ៨- Receiving Date: ៣០/០៤/២០២០
CN Filing Date: ០១/១១/២០១៦ CN Registration Number:
២០១៦១០៩៤២៨៦៦.៣
- ៩-
- ១០- ថ្ងៃទី១៣ ខែវិច្ឆិកា ឆ្នាំ២០២៣
- ១១- BACTERIAL RESISTANCE DETECTION SYSTEM AND OPERATING METHOD THEREOF
- ១២- The present invention discloses a bacterial resistance detection system and an operating method thereof. The system includes a drug susceptibility test inoculator, a drug susceptibility test image acquisition converter, a drug susceptibility detection kit and a strain culture apparatus. A culture medium is arranged in the drug susceptibility detection kit; the drug susceptibility test inoculator is used for inoculating strains in the drug susceptibility detection kit; the strain culture apparatus provides a growing environment for the strains in the drug susceptibility detection kit; the drug susceptibility test image acquisition converter is used for acquiring images of the strains in the drug susceptibility detection kit; and management software is arranged in the drug susceptibility test image acquisition converter and is communicated with a network. The present invention realizes online and offline combination and directly guides clinical medication; and convenience is brought to data analysis and decision

making in farms, veterinary medicine factories and management departments while field detection needs are met. The present invention adapts to a current drug resistance situation on a higher level in China and meets quantitative networked monitoring needs of drug resistance. The present invention gives consideration to both a broth dilution method and an agar dilution method and adapts to different needs of large-scale monitoring and scattered sample detection.

១៣-

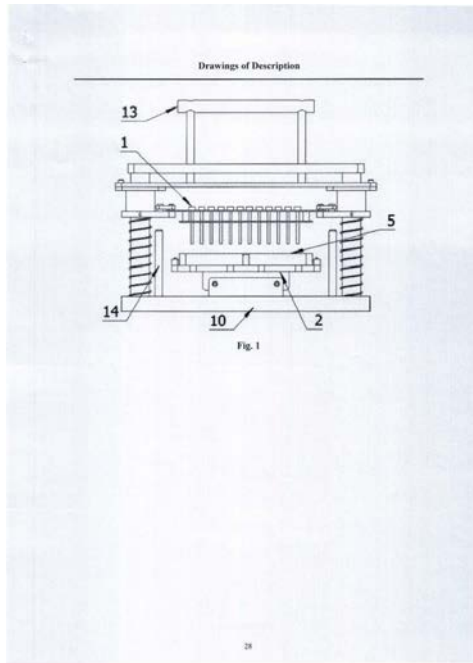


១៤- C12M 1/34

- 1- KH/P/2020/00065 CN
- 2- B
- 3- 00422
- 4- Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
[CN]
- 5- Yuqing Liu [CN]; Yanbo Luo [CN]; Lulu Li [CN]; Baohua Huang [CN]; Jing Qi [CN]; Ming Hu [CN]; Qing Zhang [CN] and Yin Zhang [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00065 CN
- 8- Receiving Date: 30/04/2020
CN Filing Date: 01/11/2016 CN Registration Number: 201610942866.3
- 9-
- 12- 13 November, 2023
- 13- BACTERIAL RESISTANCE DETECTION SYSTEM AND OPERATING METHOD THEREOF
- 14- The present invention discloses a bacterial resistance detection system and an operating method thereof. The system includes a drug susceptibility test inoculator, a drug susceptibility test image acquisition converter, a drug susceptibility detection kit and a strain culture apparatus. A culture medium is arranged in the drug susceptibility detection kit; the drug susceptibility test inoculator is used for inoculating strains in the drug susceptibility detection kit; the strain culture apparatus provides a growing environment for the strains in the drug susceptibility detection kit; the drug susceptibility test image acquisition converter is used for acquiring images of the strains in the drug susceptibility detection kit; and management software is arranged in the drug susceptibility test image acquisition converter and is communicated with a network. The present invention realizes online and offline combination and directly guides clinical medication; and convenience is brought to data analysis and decision making in farms, veterinary medicine factories and management departments while field detection needs are met. The present invention adapts to a current

drug resistance situation on a higher level in China and meets quantitative networked monitoring needs of drug resistance. The present invention gives consideration to both a broth dilution method and an agar dilution method and adapts to different needs of large-cale monitoring and scattered sample detection.

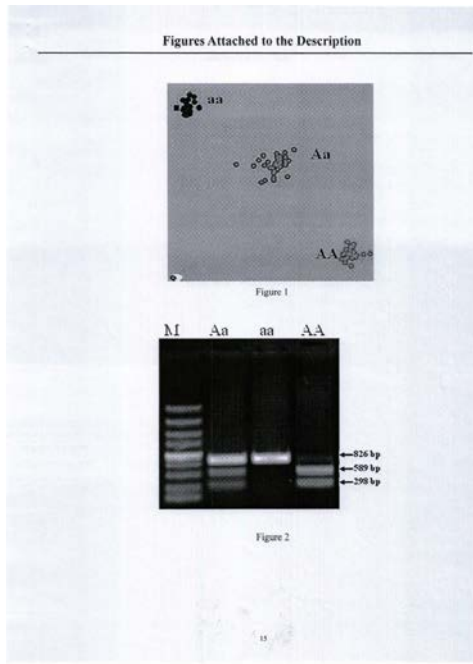
15-



16- C12M 1/34

- ១- KH/P/២០២០/០០០៨១ CN
- ២- ខ
- ៣- ០០៣៤០
- ៤- Biotechnology Research Center, Shandong Academy of Agricultural Sciences [CN] and Zhonyujinbiaoji(Beijing) Biotechnology Co., Ltd [CN]
- ៥- Wang,Xingjun [CN]; Zhao,Shuzhen [CN]; Zhai,Chengguang [CN]; Jing,Runchun [CN]; Zhao,Chuanzhi [CN]; Hou,Lei [CN]; Liu,Xin [CN]; Xia,Han [CN]; Li,Meng [CN]; Li,Changsheng [CN]; Su,Hui [CN] and Li,Aiqin [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០០៨១ CN
- ៨- Receiving Date: ២១/០៥/២០២០
CN Filing Date: ១៧/០៦/២០១៦ CN Registration Number:
២០១៦១០៤៤២៣៨៨.X
- ៩-
- ១០- ថ្ងៃទី៣ ខែសីហា ឆ្នាំ២០២២
- ១១- A Primer Set for High Throughput Detection of Mutation Site Typing in AhFAD2A Gene and the Test Method Thereof
- ១២- The invention relates to a primer set for high throughput detection of mutation site typing in AhF AD2A gene and the test method thereof. The primer set for high throughput detection of mutation site typing in AhFAD2A gene comprises: a mutant specific primer, with nucleotide sequence as shown in SEQ ID No. 1; a wildtype specific primer, with nucleotide sequence as shown in SEQ ID No.2; and a universal primer, with nucleotide sequence as shown in SEQ ID No. 3. The invention can be used for high throughput identification of aa genotype in high oleic acid self-bred progenies, thus solving the difficulty in identification due to the large quantity of self-bred progenies. It can obtain all genotypes AA, aa and Aa of FAD2A in the self-bred progenies in an accurate and rapid way and remove AA genotype timely, thus significantly improving the breeding efficiency of high oleic acid peanuts.

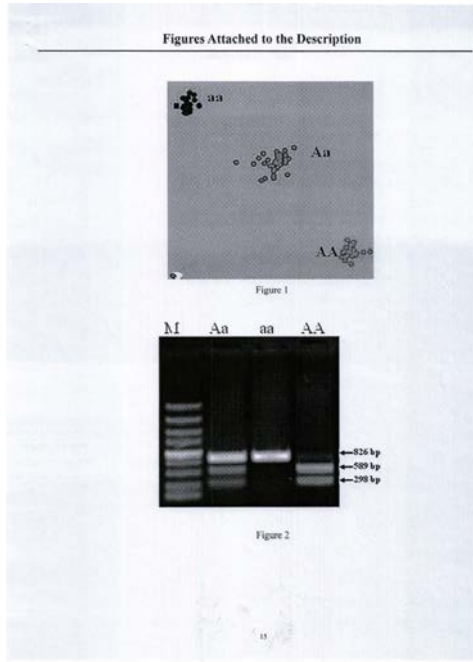
១៣-



១៤- C12Q 1/68

- 1- KH/P/2020/00081 CN
- 2- B
- 3- 00340
- 4- Biotechnology Research Center, Shandong Academy of Agricultural Sciences [CN] and Zhonyujinbiaoji(Beijing) Biotechnology Co., Ltd [CN]
- 5- Wang,Xingjun [CN]; Zhao,Shuzhen [CN]; Zhai,Chenguang [CN]; Jing,Runchun [CN]; Zhao,Chuanzhi [CN]; Hou,Lei [CN]; Liu,Xin [CN]; Xia,Han [CN]; Li,Meng [CN]; Li,Changsheng [CN]; Su,Hui [CN] and Li,Aiqin [CN]
- 6- ABACUS IP
- 7- KH/P/2020/00081 CN
- 8- Receiving Date: 21/05/2020
CN Filing Date: 17/06/2016 CN Registration Number: 201610442388.X
- 9-
- 12- 3 August, 2022
- 13- A Primer Set for High Throughput Detection of Mutation Site Typing in AhFAD2A Gene and the Test Method Thereof
- 14- The invention relates to a primer set for high throughput detection of mutation site typing in AhF AD2A gene and the test method thereof. The primer set for high throughput detection of mutation site typing in AhFAD2A gene comprises: a mutant specific primer, with nucleotide sequence as shown in SEQ ID No. 1; a wildtype specific primer, with nucleotide sequence as shown in SEQ ID No.2; and a universal primer, with nucleotide sequence as shown in SEQ ID No. 3. The invention can be used for high throughput identification of aa genotype in high oleic acid self-bred progenies, thus solving the difficulty in identification due to the large quantity of self-bred progenies. It can obtain all genotypes AA, aa and Aa of FAD2A in the self-bred progenies in an accurate and rapid way and remove AA genotype timely, thus significantly improving the breeding efficiency of high oleic acid peanuts.

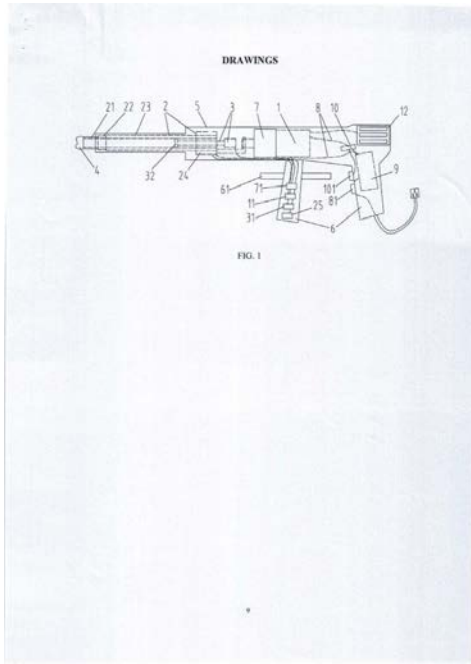
15-



16- C12Q 1/68

- ១- KH/P/២០២០/០០០៨៦ CN
- ២- ខ
- ៣- ០០៣៩១
- ៤- Institute of Geochemistry, Chinese Academy of Sciences [CN]
- ៥- BAI, Xiaoyong [CN]; WU, Luhua [CN]; LI, Yue [CN]; TIAN, Yichao [CN] and YANG, Zhengye [CN]
- ៦- Rouse & Co (Cambodia) Co., Ltd
- ៧- KH/P/២០២០/០០០៨៦ CN
- ៨- Receiving Date: ២៨/០៥/២០២០
CN Filing Date: ១០/០៨/២០១៥ CN Registration Number: ២០១៥១០៤៨៥៩៩៤.៥
- ៩-
- ១០- ថ្ងៃទី២៣ ខែឧសភា ឆ្នាំ២០២៣
- ១១- CONVENIENT AUTOMATIC SOIL SAMPLING DEVICE
- ១២- The present invention provides a convenient automatic soil sampling device. The convenient automatic soil sampling device includes a motor, a hydraulic telescopic sleeve and an electric control push rod. A fixing end of the hydraulic telescopic sleeve is in transmission connection with a rotating shaft of the motor, the motor drives the hydraulic telescopic sleeve to rotate, the electric control push rod and the hydraulic telescopic sleeve are coaxially arranged, and a telescopic end of the electric control push rod exactly faces the fixing end of the hydraulic telescopic sleeve; the outer diameter of the electric control push rod is less than or equal to the inner diameter of the hydraulic telescopic sleeve; and a hollow drill bit is arranged at the telescopic end of the hydraulic telescopic sleeve. The present invention is applicable to automatic sampling and unloading of various types of soil under various environmental conditions, and conducts quantification processing on a soil sampling depth and a soil amount so as to relieve labor intensity, shorten soil sampling time, reduce soil sampling frequency, improve soil sampling precision and efficiency and effectively solve various problems of the existing soil sampling methods and soil sampling devices. The present invention belongs to the field of soil researches.

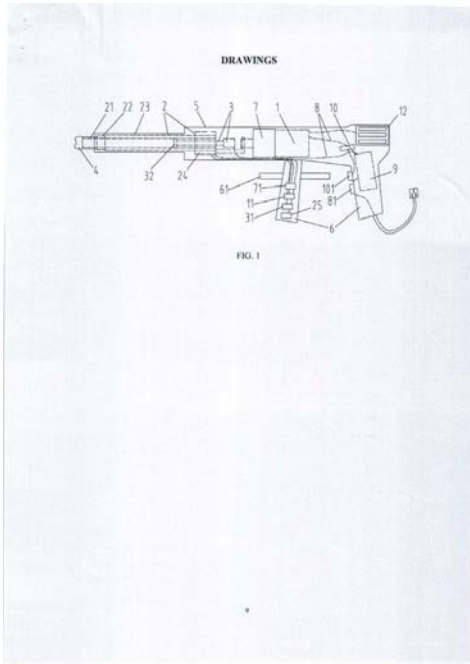
១៣-



១៤- G01N 1/08

- 1- KH/P/2020/00086 CN
- 2- B
- 3- 00391
- 4- Institute of Geochemistry, Chinese Academy of Sciences [CN]
- 5- BAI, Xiaoyong [CN]; WU, Luhua [CN]; LI, Yue [CN]; TIAN, Yichao [CN] and YANG, Zhengye [CN]
- 6- Rouse & Co (Cambodia) Co., Ltd
- 7- KH/P/2020/00086 CN
- 8- Receiving Date: 28/05/2020
CN Filing Date: 10/08/2015 CN Registration Number: 201510485994.5
- 9-
- 12- 23 May, 2023
- 13- CONVENIENT AUTOMATIC SOIL SAMPLING DEVICE
- 14- The present invention provides a convenient automatic soil sampling device. The convenient automatic soil sampling device includes a motor, a hydraulic telescopic sleeve and an electric control push rod. A fixing end of the hydraulic telescopic sleeve is in transmission connection with a rotating shaft of the motor, the motor drives the hydraulic telescopic sleeve to rotate, the electric control push rod and the hydraulic telescopic sleeve are coaxially arranged, and a telescopic end of the electric control push rod exactly faces the fixing end of the hydraulic telescopic sleeve; the outer diameter of the electric control push rod is less than or equal to the inner diameter of the hydraulic telescopic sleeve; and a hollow drill bit is arranged at the telescopic end of the hydraulic telescopic sleeve. The present invention is applicable to automatic sampling and unloading of various types of soil under various environmental conditions, and conducts quantification processing on a soil sampling depth and a soil amount so as to relieve labor intensity, shorten soil sampling time, reduce soil sampling frequency, improve soil sampling precision and efficiency and effectively solve various problems of the existing soil sampling methods and soil sampling devices. The present invention belongs to the field of soil researches.

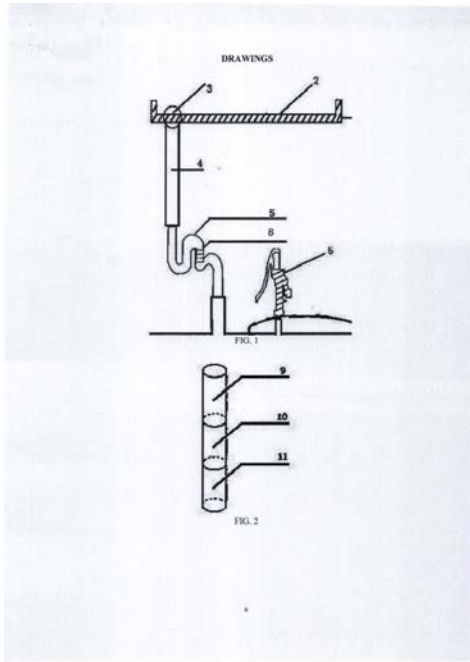
15-



16- G01N 1/08

- ១- KH/P/២០២០/០០០៨៧ CN
- ២- ខ
- ៣- ០០៣៩២
- ៤- Institute of Geochemistry, Chinese Academy of Sciences [CN]
- ៥- BAI, Xiaoyong [CN]; LI, Panlong [CN]; QIU, Conghao [CN] and QIN, Luoyi [CN]
- ៦- Rouse & Co (Cambodia) Co., Ltd
- ៧- KH/P/២០២០/០០០៨៧ CN
- ៨- Receiving Date: ២៨/០៥/២០២០
CN Filing Date: ០៦/១១/២០១៣ CN Registration Number:
២០១៣១០៥៤៣០៧៤.៥
- ៩-
- ១០- ថ្ងៃទី២៣ ខែឧសភា ឆ្នាំ២០២៣
- ១១- ROOF RAINWATER HARVESTING AND PROCESSING SYSTEM
- ១២- The present invention discloses a roof rainwater harvesting and processing system. The roof rainwater harvesting and processing system includes a roof rainwater harvesting tank (1), where an inner wall of the roof rainwater harvesting tank (1) is provided with a waterproof lightfast bacteriostatic layer (2), the roof rainwater harvesting tank (1) is communicated with a cistern (7) through rainwater downpipes (4), a water purifying pipe (5) is connected with and arranged between the two rainwater downpipes (4), and a water press machine (6) is arranged on a top cover plate of the cistern (7). The present invention solves the problems: the vast karst mountainous areas people builds a water tank on a roof of a house to store water for drinking, where a storage amount of the water on the roof is limited; the roof has an open structure, so the stored water is easy to evaporate, and the stored water is easy to be polluted so as to be insanitary to drink by human and domestic animals; and when the water is stored on the roof for a long term, a surface of the roof is easy to generate cracks to cause wall leakage such that the service life of the house is shortened and the like.

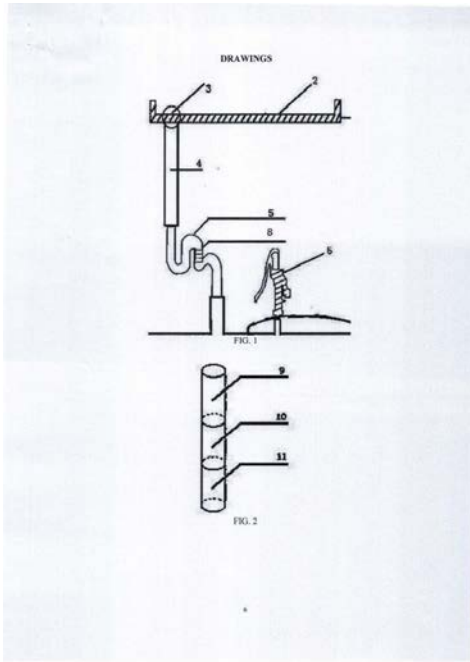
១៣-



១៤- E03B 3/03

- 1- KH/P/2020/00087 CN
- 2- B
- 3- 00392
- 4- Institute of Geochemistry, Chinese Academy of Sciences [CN]
- 5- BAI, Xiaoyong [CN]; LI, Panlong [CN]; QIU, Conghao [CN] and QIN, Luoyi [CN]
- 6- Rouse & Co (Cambodia) Co., Ltd
- 7- KH/P/2020/00087 CN
- 8- Receiving Date: 28/05/2020
CN Filing Date: 06/11/2013 CN Registration Number: 201310543074.5
- 9-
- 12- 23 May, 2023
- 13- ROOF RAINWATER HARVESTING AND PROCESSING SYSTEM
- 14- The present invention discloses a roof rainwater harvesting and processing system. The roof rainwater harvesting and processing system includes a roof rainwater harvesting tank (1), where an inner wall of the roof rainwater harvesting tank (1) is provided with a waterproof lightfast bacteriostatic layer (2), the roof rainwater harvesting tank (1) is communicated with a cistern (7) through rainwater downpipes (4), a water purifying pipe (5) is connected with and arranged between the two rainwater downpipes (4), and a water press machine (6) is arranged on a top cover plate of the cistern (7). The present invention solves the problems: the vast karst mountainous areas people builds a water tank on a roof of a house to store water for drinking, where a storage amount of the water on the roof is limited; the roof has an open structure, so the stored water is easy to evaporate, and the stored water is easy to be polluted so as to be insanitary to drink by human and domestic animals; and when the water is stored on the roof for a long term, a surface of the roof is easy to generate cracks to cause wall leakage such that the service life of the house is shortened and the like.

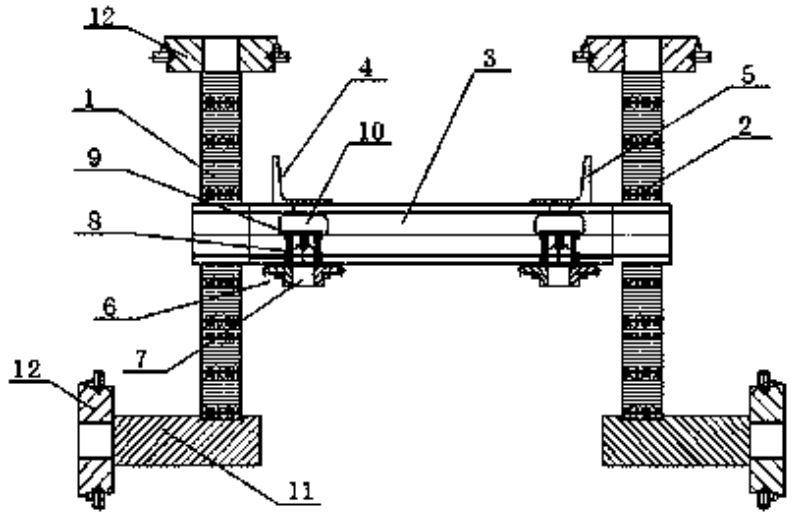
15-



16- E03B 3/03

- ១- KH/P/២០២០/០០០៨៨ CN
- ២- ខ
- ៣- ០០៤៤៤
- ៤- JINAN JUCUI EDUCATION TECHNOLOGY CO. LTD [CN]
- ៥- LI, JIANXI [CN]; WANG, XIUWEN [CN] and YE, NA [CN]
- ៦- HTR & ASSOCIATES
- ៧- KH/P/២០២០/០០០៨៨ CN
- ៨- Receiving Date: ២៩/០៥/២០២០
CN Filing Date: ១៩/០៥/២០១៧ CN Registration Number:
២០១៧១០៣៥៨៩៣០.៨
- ៩-
- ១០- ថ្ងៃទី១៩ ខែសីហា ឆ្នាំ២០២៤
- ១១- STRAW FIXER
- ១២- A straw fixer includes a first column, a second column, a pallet, a first bracket, and a second bracket. The first column and the second column are symmetrically arranged and a supporting plate is installed. The first bracket and the second bracket are symmetrically arranged on the pallet, and the first bracket and the second bracket are relatively slid on the pallet and locked by a position fixing device. The position fixing device includes a handle, a threaded rod, a lock nut, and a positioning ring. The handle is driven and connected to the lock nut through the threaded rod. The positioning ring is arranged on the pallet and is connected to the corresponding brackets. The mounting plates are provided at the bottom ends of the first and second columns. The structure of the invention is reasonable and compact, and can be adapted to different scenes by adjusting in the horizontal and vertical positions. It can effectively avoid the collapse situation by limiting the straw. It is flexible and can be quickly fixed in position.

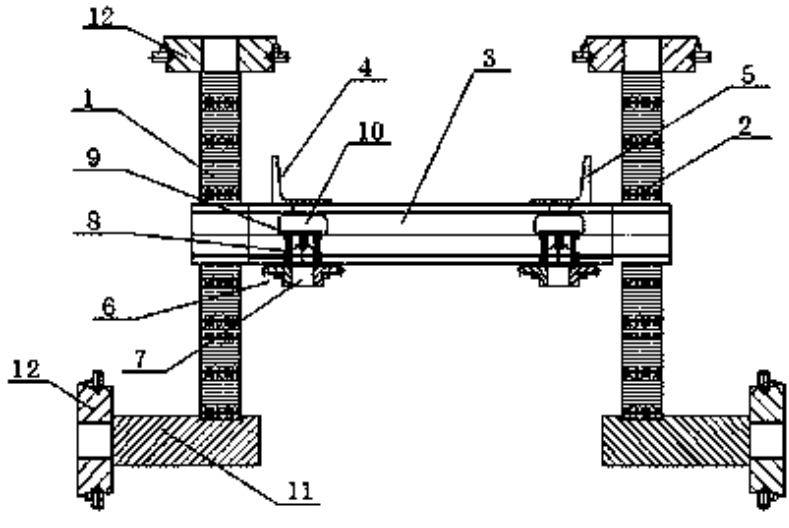
១៣-



១៤- B65D 6/08

- 1- KH/P/2020/00088 CN
- 2- B
- 3- 00444
- 4- JINAN JUCUI EDUCATION TECHNOLOGY CO. LTD [CN]
- 5- LI, JIANXI [CN]; WANG, XIUWEN [CN] and YE, NA [CN]
- 6- HTR & ASSOCIATES
- 7- KH/P/2020/00088 CN
- 8- Receiving Date: 29/05/2020
CN Filing Date: 19/05/2017 CN Registration Number: 201710358930.8
- 9-
- 12- 19 August, 2024
- 13- STRAW FIXER
- 14- A straw fixer includes a first column, a second column, a pallet, a first bracket, and a second bracket. The first column and the second column are symmetrically arranged and a supporting plate is installed. The first bracket and the second bracket are symmetrically arranged on the pallet, and the first bracket and the second bracket are relatively slid on the pallet and locked by a position fixing device. The position fixing device includes a handle, a threaded rod, a lock nut, and a positioning ring. The handle is driven and connected to the lock nut through the threaded rod. The positioning ring is arranged on the pallet and is connected to the corresponding brackets. The mounting plates are provided at the bottom ends of the first and second columns. The structure of the invention is reasonable and compact, and can be adapted to different scenes by adjusting in the horizontal and vertical positions. It can effectively avoid the collapse situation by limiting the straw. It is flexible and can be quickly fixed in position.

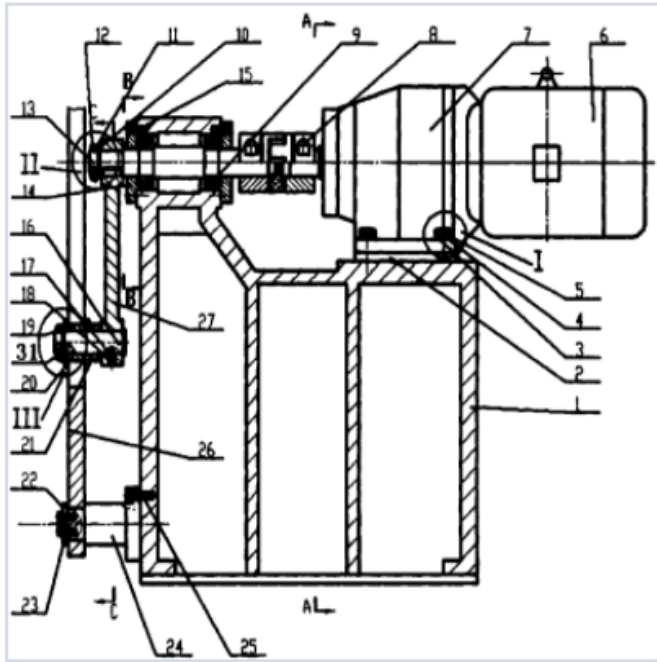
15-



16- B65D 6/08

- ១- KH/P/២០២០/០០០៩៣ CN
- ២- ខ
- ៣- ០០៤៣៤
- ៤- JINAN JUCUI EDUCATION TECHNOLOGY CO. LTD [CN]
- ៥- LI, HONGBO [CN]
- ៦- HTR & ASSOCIATES
- ៧- KH/P/២០២០/០០០៩៣ CN
- ៨- Receiving Date: ២៩/០៥/២០២០
CN Filing Date: ១៧/០៧/២០១៤ CN Registration Number:
២០១៨១០៤០៦៤១៨.០
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៤
- ១១- Automatic Flag Waving Method for Vehicles Avoidance During Road Maintenance
- ១២- The invention relates to an automatic flag waving method. The motor installed on the machine base is transmitted to the transmission shaft through the speed reducer, the rocker arm is fixed on the transmission shaft by a key connection, and the transmission shaft passes through the rotation of the two support bearings drives the rocker arm to make a circular movement around the transmission shaft. When the rocker arm rotates one revolution, the slider connected to the rocker arm also rotates one revolution, and at the same time drives the swing lever to swing back and forth once. when the rocker arm rotates one revolution, the slider connected to the rocker arm also rotates one revolution, and simultaneously drives the swing rod to swing back and forth once to achieve automatic red flag swing. The telescopic flag pole of the invention can adjust the height of the red flag according to the specific work needs, can completely replace the hard and boring flag-waving work of road construction workers and avoid the personal danger of flag waving workers.

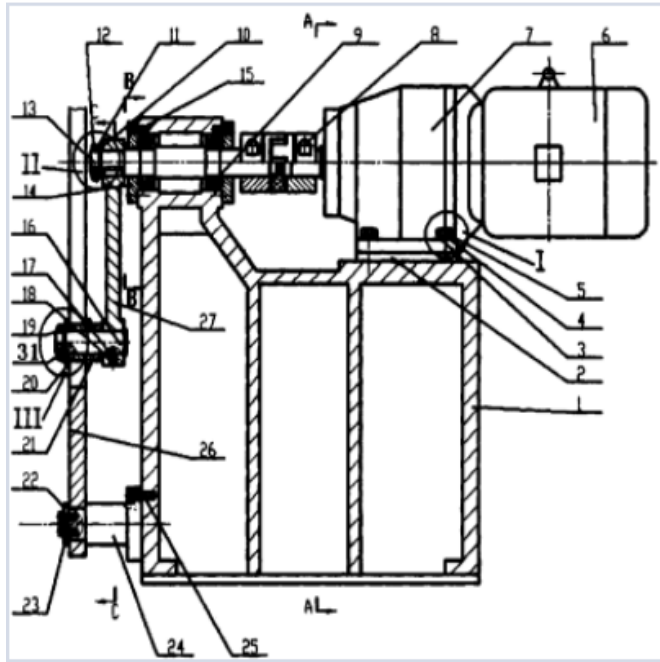
១៣-



១៤- G09F 17/00

- 1- KH/P/2020/00093 CN
- 2- B
- 3- 00434
- 4- JINAN JUCUI EDUCATION TECHNOLOGY CO. LTD [CN]
- 5- LI, HONGBO [CN]
- 6- HTR & ASSOCIATES
- 7- KH/P/2020/00093 CN
- 8- Receiving Date: 29/05/2020
CN Filing Date: 17/07/2014 CN Registration Number: 201810406418.0
- 9-
- 12- 7 June, 2024
- 13- Automatic Flag Waving Method for Vehicles Avoidance During Road Maintenance
- 14- The invention relates to an automatic flag waving method. The motor installed on the machine base is transmitted to the transmission shaft through the speed reducer, the rocker arm is fixed on the transmission shaft by a key connection, and the transmission shaft passes through the rotation of the two support bearings drives the rocker arm to make a circular movement around the transmission shaft. When the rocker arm rotates one revolution, the slider connected to the rocker arm also rotates one revolution, and at the same time drives the swing lever to swing back and forth once. when the rocker arm rotates one revolution, the slider connected to the rocker arm also rotates one revolution, and simultaneously drives the swing rod to swing back and forth once to achieve automatic red flag swing. The telescopic flag pole of the invention can adjust the height of the red flag according to the specific work needs, can completely replace the hard and boring flag-waving work of road construction workers and avoid the personal danger of flag waving workers.

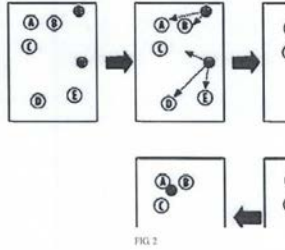
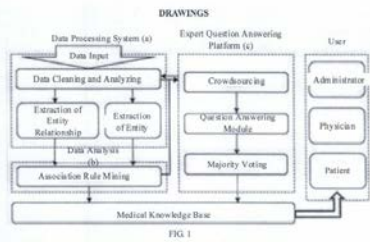
15-



16- G09F 17/00

- ១- KH/P/២០២០/០០១០៨ CN
- ២- ខ
- ៣- ០០៣៩០
- ៤- Xiamen University [CN]
- ៥- WANG XIAOLI [CN]; LIN KUNHUI [CN] and WU MENGSAO [CN]
- ៦- ANGKOR IP AGENT
- ៧- KH/P/២០២០/០០១០៨ CN
- ៨- Receiving Date: ១២/០៦/២០២០
CN Filing Date: ១០/០២/២០១៧ CN Registration Number:
២០១៧១០០៧២៩៣០.១
- ៩-
- ១០- ថ្ងៃទី៥ ខែមេសា ឆ្នាំ២០២៣
- ១១- Method for Constructing Medical Knowledge Base Based on Question Answering System
- ១២- Provided is a method for constructing a medical knowledge base based on a question answering system, which relates to a medical knowledge base. Further provided is a technology for constructing a medical knowledge base based on a question answering system, which mainly includes three parts: data processing, data analytics, and an expert question answering platform. Firstly, in the data processing stage, entities and correlation relationships thereof are extracted from the clinical data by using a hierarchical segmentation method; then, the extracted result is analyzed utilizing an association rule algorithm to mine the association between the entities, the mined entity associations are matched against the medical dictionary, and the correctly matched result will be stored in the knowledge base directly; and finally, a question is automatically generated from an unidentified entity association utilizing the crowdsourcing technology and will be submitted to the expert question answering platform for answering, and a final result is selected from the answers of the experts utilizing the majority voting algorithm and stored into the medical knowledge base.

១៣-

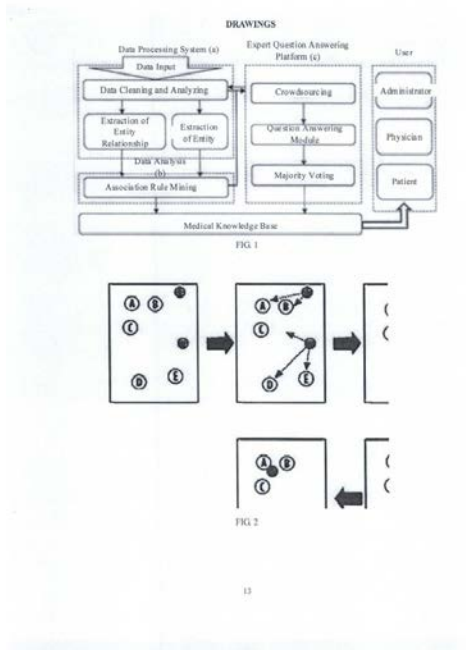


13

១៤- G06F 17/30

- 1- KH/P/2020/00108 CN
- 2- B
- 3- 00390
- 4- Xiamen University [CN]
- 5- WANG XIAOLI [CN]; LIN KUNHUI [CN] and WU MENGSAO [CN]
- 6- ANGKOR IP AGENT
- 7- KH/P/2020/00108 CN
- 8- Receiving Date: 12/06/2020
CN Filing Date: 10/02/2017 CN Registration Number: 201710072930.1
- 9-
- 12- 5 April, 2023
- 13- Method for Constructing Medical Knowledge Base Based on Question Answering System
- 14- Provided is a method for constructing a medical knowledge base based on a question answering system, which relates to a medical knowledge base. Further provided is a technology for constructing a medical knowledge base based on a question answering system, which mainly includes three parts: data processing, data analytics, and an expert question answering platform. Firstly, in the data processing stage, entities and correlation relationships thereof are extracted from the clinical data by using a hierarchical segmentation method; then, the extracted result is analyzed utilizing an association rule algorithm to mine the association between the entities, the mined entity associations are matched against the medical dictionary, and the correctly matched result will be stored in the knowledge base directly; and finally, a question is automatically generated from an unidentified entity association utilizing the crowdsourcing technology and will be submitted to the expert question answering platform for answering, and a final result is selected from the answers of the experts utilizing the majority voting algorithm and stored into the medical knowledge base.

15-



16- G06F 17/30

- ១- KH/P/២០២០/០០១១៦ CN
- ២- ខ
- ៣- ០០៣៤២
- ៤- Tropical Crops Genetic Resources Institute, Chinese Academy of Tropical Agricultural Sciences
[CN] and HAINAN UNIVERSITY [CN]
- ៥- HUANG, Haijie [CN]; ZHAO, Li [CN]; HUANG, Xiao'ou [CN]; HUANG, Zhanyu [CN] and PENG, Shumei [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១១៦ CN
- ៨- Receiving Date: ៣០/០៦/២០២០
CN Filing Date: ២២/០៣/២០១២ CN Registration Number:
២០១២១០០៧៧៧២៩.៤
- ៩-
- ១០- ថ្ងៃទី១២ ខែកញ្ញា ឆ្នាំ២០២២
- ១១- Mixed Cashew Seedling Medium and Preparation Process Thereof
- ១២- The present invention discloses a mixed cashew seedling medium and a preparation process thereof. The mixed seedling medium for cashew seedling includes components in part by volume: 2-4 parts of garden soil, 1-3 parts of river sand or sandy loam, 1-2 parts of coir dust or decomposed sawdust, 1-3 parts of decomposed cattle manure, 2-3 parts of pond mud, 1-2 parts of burned soil, and 3-5 parts of carbendazim or chlorothalonil. The mixed seedling medium prepared in the present invention uses garden soil, river sand, coir dust, decomposed cattle manure, pond mud, and burned soil as raw materials, supplemented with carbendazim as fungicide, where the components are environmentally-friendly, pollution-free, and able to improve disease resistance (antibacterial activity); the river sand and coir dust in the mixed seedling medium can make soil unhardened after seedling; the pond mud, decomposed cattle manure, and burned soil in the mixed seedling medium have fertilizer efficiency, and in particular, the pond mud is an organic fertilizer decomposed by anaerobes and composted under flooding condition after mixing, and dried pond

mud particles even play roles in water retention and fertilizer conservation.

១៣- None

១៤- D21H 19/64

- 1- KH/P/2020/00116 CN
- 2- B
- 3- 00342
- 4- Tropical Crops Genetic Resources Institute, Chinese Academy of Tropical Agricultural Sciences
[CN] and HAINAN UNIVERSITY [CN]
- 5- HUANG, Haijie [CN]; ZHAO, Li [CN]; HUANG, Xiao'ou [CN]; HUANG, Zhanyu [CN] and PENG, Shumei [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00116 CN
- 8- Receiving Date: 30/06/2020
CN Filing Date: 22/03/2012 CN Registration Number: 201210077729.4
- 9-
- 12- 12 September, 2022
- 13- Mixed Cashew Seedling Medium and Preparation Process Thereof
- 14- The present invention discloses a mixed cashew seedling medium and a preparation process thereof. The mixed seedling medium for cashew seedling includes components in part by volume: 2-4 parts of garden soil, 1-3 parts of river sand or sandy loam, 1-2 parts of coir dust or decomposed sawdust, 1-3 parts of decomposed cattle manure, 2-3 parts of pond mud, 1-2 parts of burned soil, and 3-5 parts of carbendazim or chlorothalonil. The mixed seedling medium prepared in the present invention uses garden soil, river sand, coir dust, decomposed cattle manure, pond mud, and burned soil as raw materials, supplemented with carbendazim as fungicide, where the components are environmentally-friendly, pollution-free, and able to improve disease resistance (antibacterial activity); the river sand and coir dust in the mixed seedling medium can make soil unhardened after seedling; the pond mud, decomposed cattle manure, and burned soil in the mixed seedling medium have fertilizer efficiency, and in particular, the pond mud is an organic fertilizer decomposed by anaerobes and composted under flooding condition after mixing, and dried pond mud particles even play roles in water retention and fertilizer conservation.

15- None

16- D21H 19/64

១- KH/P/២០២០/០០១២៥ CN

២- ខ

៣- ០០៣៤៣

៤- BEIJING NORMAL UNIVERSITY [CN]

៥- MEN, Yi [CN] and ZHANG, Ce [CN]

៦- Kimly IP Service

៧- KH/P/២០២០/០០១២៥ CN

៨- Receiving Date: ១៧/០៧/២០២០

CN Filing Date: ៣០/១១/២០១១ CN Registration Number:

២០១១១០៣៩០៩៩០.០

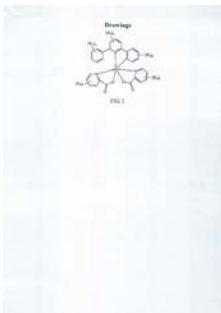
៩-

១០- ថ្ងៃទី១២ ខែកញ្ញា ឆ្នាំ២០២២

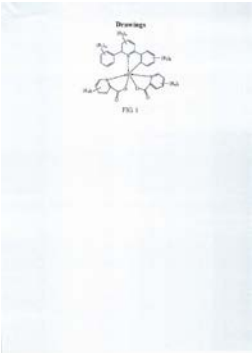
១១- IRIDIUM COMPLEX AND PREPARATION METHOD THEREOF

១២- The invention provides an iridium complex and preparation method thereof, the iridium complex is represented by chemical formula 1: in which: m is an integer from 0 to 5, n is an integer from 0 to 3, k is an integer from 0 to 4, l is an integer from 0 to 4, R1, R2, R3 and ~ are independently selected from the group consisting of deuterium, tritium, halogen, cyano, amino, nitro, hydroxy, carboxyl, substituted or unsubstituted ether group, substituted or unsubstituted ester group, substituted or unsubstituted 10 C1-C50 alkyl, substituted or unsubstituted C2-C50 alkenyl, substituted or unsubstituted C2-C50 alkynyl, substituted or unsubstituted C3-C50 cycloalkyl, substituted or unsubstituted C1-C50 alkoxy, substituted or unsubstituted C5-C50 aryl and substituted or unsubstituted C3-C50 heteroaryl.

១៣-

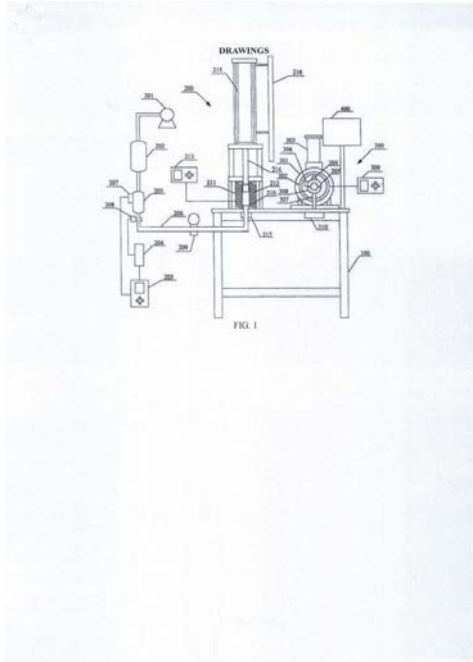


១៤- C07F 15/00

- 1- KH/P/2020/00125 CN
 - 2- B
 - 3- 00343
 - 4- BEIJING NORMAL UNIVERSITY [CN]
 - 5- MEN, Yi [CN] and ZHANG, Ce [CN]
 - 6- Kimly IP Service
 - 7- KH/P/2020/00125 CN
 - 8- Receiving Date: 17/07/2020
CN Filing Date: 30/11/2011 CN Registration Number: 201110390990.0
 - 9-
 - 12- 12 September, 2022
 - 13- IRIIDIUM COMPLEX AND PREPARATION METHOD THEREOF
 - 14- The invention provides an iridium complex and preparation method thereof, the iridium complex is represented by chemical formula 1: in which: m is an integer from 0 to 5, n is an integer from 0 to 3, k is an integer from 0 to 4, l is an integer from 0 to 4, R1, R2, R3 and~ are independently selected from the group consisting of deuterium, tritium, halogen, cyano, amino, nitro, hydroxy, carboxyl, substituted or unsubstituted ether group, substituted or unsubstituted ester group, substituted or unsubstituted 10 C1-C50 alkyl, substituted or unsubstituted C2-C50 alkenyl, substituted or unsubstituted C2-C50 alkynyl, substituted or unsubstituted C3-C50 cycloalkyl, substituted or unsubstituted C1-C50 alkoxy, substituted or unsubstituted C5-C50 aryl and substituted or unsubstituted C3-C50 heteroaryl.
 - 15- 
 - 16- C07F 15/00
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- ១- KH/P/២០២០/០០១២៨ CN
- ២- ខ
- ៣- ០០៣៥២
- ៤- Xi'an University of Science and Technology [CN]
- ៥- ZHAO PENGXIANG [CN]; LI SHUGANG [CN]; LIN HAIFEI [CN]; XIAO PENG [CN]; WEI ZONGYONG [CN]; LI LI [CN]; CHENG LIANHUA [CN]; PAN HONGYU [CN]; YAN MIN [CN] and DING YANG [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១២៨ CN
- ៨- Receiving Date: ២៤/០៧/២០២០
CN Filing Date: ០៧/០៩/២០១៦ CN Registration Number:
២០១៦១០២២៤៥៩២.៤
- ៩-
- ១០- ថ្ងៃទី៣១ ខែតុលា ឆ្នាំ២០២២
- ១១- Experimental Method for Property Test on Multi-Field Coupling Similar Materials
- ១២- The present invention discloses an experimental method for a property test on multi-field coupling similar materials, and relates to the technical field of rock and mineral analysis. Experimental equipment for a permeability test and a Brazilian splitting test on a test specimen in different temperatures and electromagnetic fields are arranged on an experimental bench. Therefore, an experimenter can measure a variety of parameters on one experimental bench and can conveniently measure parameters of the test specimen in the different temperatures and electromagnetic fields. In this way, real and accurate data support can be provided for studying a real physical property of the test specimen.

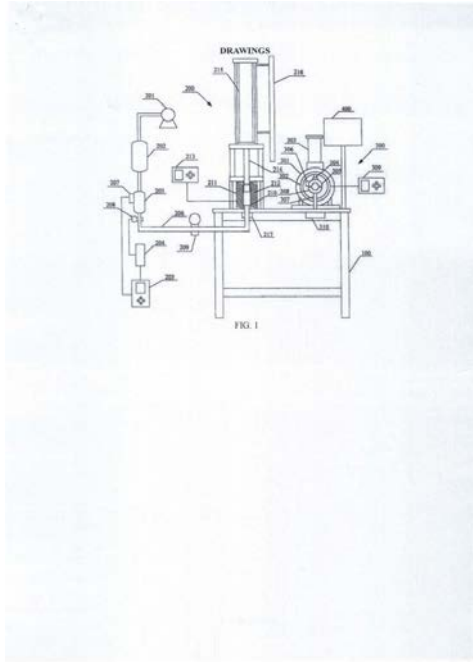
១៣-



១៤- G01N 3/12

- 1- KH/P/2020/00128 CN
- 2- B
- 3- 00352
- 4- Xi'an University of Science and Technology [CN]
- 5- ZHAO PENGXIANG [CN]; LI SHUGANG [CN]; LIN HAIFEI [CN]; XIAO PENG [CN]; WEI ZONGYONG [CN]; LI LI [CN]; CHENG LIANHUA [CN]; PAN HONGYU [CN]; YAN MIN [CN] and DING YANG [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00128 CN
- 8- Receiving Date: 24/07/2020
CN Filing Date: 07/04/2016 CN Registration Number: 201610224592.4
- 9-
- 12- 31 October, 2022
- 13- Experimental Method for Property Test on Multi-Field Coupling Similar Materials
- 14- The present invention discloses an experimental method for a property test on multi-field coupling similar materials, and relates to the technical field of rock and mineral analysis. Experimental equipment for a permeability test and a Brazilian splitting test on a test specimen in different temperatures and electromagnetic fields are arranged on an experimental bench. Therefore, an experimenter can measure a variety of parameters on one experimental bench and can conveniently measure parameters of the test specimen in the different temperatures and electromagnetic fields. In this way, real and accurate data support can be provided for studying a real physical property of the test specimen.

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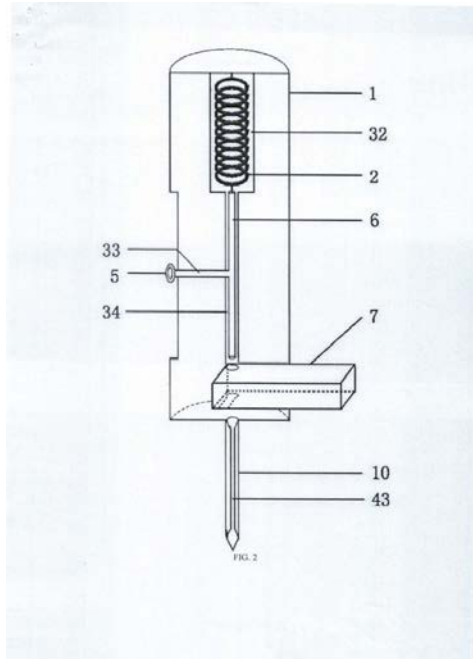


16- G01N 3/12

- ១- KH/P/២០២០/០០១៣៧ CN
- ២- ខ
- ៣- ០០៤០៤
- ៤- South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences
[CN]
- ៥- YANG, Changping [CN]; SUN, Dianrong [CN]; LIU, Yan [CN]; SHAN, Binbin [CN]; LIU, Shengnan [CN]; LI, Teng [CN] and YU, Jun [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៣៧ CN
- ៨- Receiving Date: ១២/០៨/២០២០
CN Filing Date: ២៤/០៨/២០១៧ CN Registration Number:
២០១៧១០៧៣២៧២២.X
- ៩-
- ១០- ថ្ងៃទី២២ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- Device and Method for Tagging Released Fishes
- ១២- Provided is a device for tagging released fishes. The device includes a linkage assembly, a bottom plate, a tagging gun assembly and a fish body fixing assembly, where the linkage assembly includes a pressing rod, a supporting central shaft, a supporting part and a second external spring; the supporting part is installed on the bottom plate, the supporting central shaft is installed on the supporting part, and a rod body of the pressing rod is hinged to the supporting central shaft; the fish body fixing assembly includes a pneumatic push-pull part and a fish body clamping part, the pneumatic push-pull part and the tagging gun assembly are installed at both ends of the pressing rod respectively, the fish body clamping part connected to the pneumatic push-pull part is installed on the bottom plate, and the fish body clamping part is positioned below the tagging gun assembly; and both ends of the second external spring is installed on the pressing rod and the supporting part respectively. A method for tagging released fishes is provided. According to the method, the foregoing device is adopted for injecting tags into the released fishes. The device and method for tagging

released fishes according to the present invention have the advantages of improving precision of injecting the tags, reducing drop rate of the tags injected into the fish bodies, decreasing damage caused to humans and fishes by misoperation, and the like. The present invention belongs to the field of experimental tools for aquatic products.

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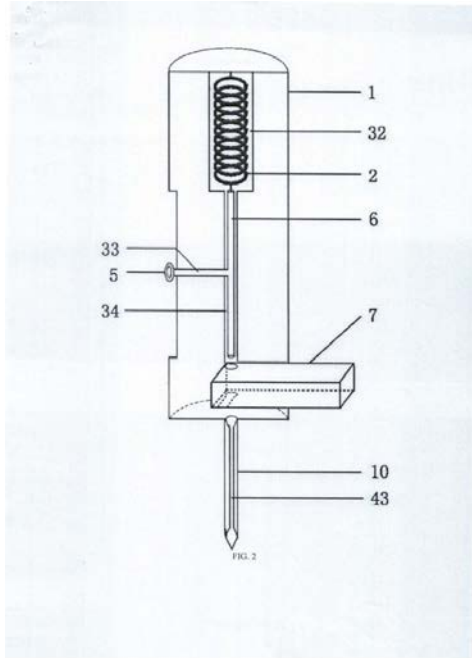


១៤- A01K 61/95

- 1- KH/P/2020/00137 CN
- 2- B
- 3- 00404
- 4- South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences
[CN]
- 5- YANG, Changping [CN]; SUN, Dianrong [CN]; LIU, Yan [CN]; SHAN, Binbin [CN]; LIU, Shengnan [CN]; LI, Teng [CN] and YU, Jun [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00137 CN
- 8- Receiving Date: 12/08/2020
CN Filing Date: 24/08/2017 CN Registration Number: 201710732722.X
- 9-
- 12- 22 June, 2023
- 13- Device and Method for Tagging Released Fishes
- 14- Provided is a device for tagging released fishes. The device includes a linkage assembly, a bottom plate, a tagging gun assembly and a fish body fixing assembly, where the linkage assembly includes a pressing rod, a supporting central shaft, a supporting part and a second external spring; the supporting part is installed on the bottom plate, the supporting central shaft is installed on the supporting part, and a rod body of the pressing rod is hinged to the supporting central shaft; the fish body fixing assembly includes a pneumatic push-pull part and a fish body clamping part, the pneumatic push-pull part and the tagging gun assembly are installed at both ends of the pressing rod respectively, the fish body clamping part connected to the pneumatic push-pull part is installed on the bottom plate, and the fish body clamping part is positioned below the tagging gun assembly; and both ends of the second external spring is installed on the pressing rod and the supporting part respectively. A method for tagging released fishes is provided. According to the method, the foregoing device is adopted for injecting tags into the released fishes. The device and method for tagging released fishes according to the present invention have the advantages of

improving precision of injecting the tags, reducing drop rate of the tags injected into the fish bodies, decreasing damage caused to humans and fishes by misoperation, and the like. The present invention belongs to the field of experimental tools for aquatic products.

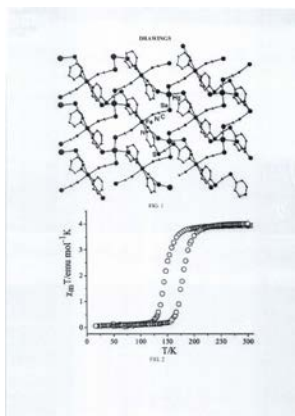
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16- A01K 61/95

- ១- KH/P/២០២០/០០១៣៨ CN
- ២- ខ
- ៣- ០០៣៩៤
- ៤- Shandong University of Technology [CN]
- ៥- ZHANG, Daopeng [CN]; LAN, Wenlong [CN] and WANG, Ping [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៣៨ CN
- ៨- Receiving Date: ១២/០៨/២០២០
CN Filing Date: ១៦/១០/២០១៧ CN Registration Number:
២០១៧១០៩៥៨១៥៤.៥
- ៩-
- ១០- ថ្ងៃទី១ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- Three-Dimensional Spin-Crossover Molecular Magnetic Material and Preparation Method Thereof
- ១២- The present invention provides a ferrous three-dimensional spin-crossover (SCO) coordination polymer magnetic material based on $k_2[\text{Hg}(\text{SeCN})_4]$ and a flexible bidentate pyridine sulfide ligand, composed of a neutral three-dimensional network formed by $\text{Hg}(\text{SeCN})_4\text{FeL}$. The three-dimensional coordination polymer achieves complete high-low spin exchange through a temperature change, with a hysteresis temperature range being about 25 K. The material has a potential value of application in a molecular thermomagnetic switch material and an information storage material.

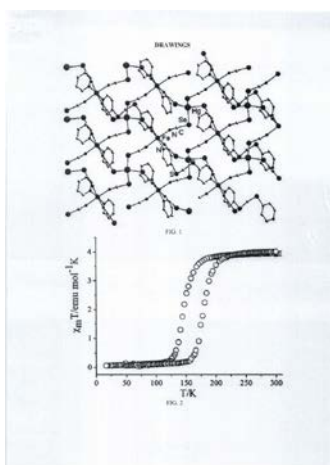
១៣-



១៤- C07F 19/00

- 1- KH/P/2020/00138 CN
- 2- B
- 3- 00394
- 4- Shandong University of Technology [CN]
- 5- ZHANG, Daopeng [CN]; LAN, Wenlong [CN] and WANG, Ping [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00138 CN
- 8- Receiving Date: 12/08/2020
CN Filing Date: 16/10/2017 CN Registration Number: 201710958154.5
- 9-
- 12- 1 June, 2023
- 13- Three-Dimensional Spin-Crossover Molecular Magnetic Material and Preparation Method Thereof
- 14- The present invention provides a ferrous three-dimensional spin-crossover (SCO) coordination polymer magnetic material based on $k_2[\text{Hg}(\text{SeCN})_4]$ and a flexible bidentate pyridine sulfide ligand, composed of a neutral three-dimensional network formed by $\text{Hg}(\text{SeCN})_4\text{FeL}$. The three-dimensional coordination polymer achieves complete high-low spin exchange through a temperature change, with a hysteresis temperature range being about 25 K. The material has a potential value of application in a molecular thermomagnetic switch material and an information storage material.

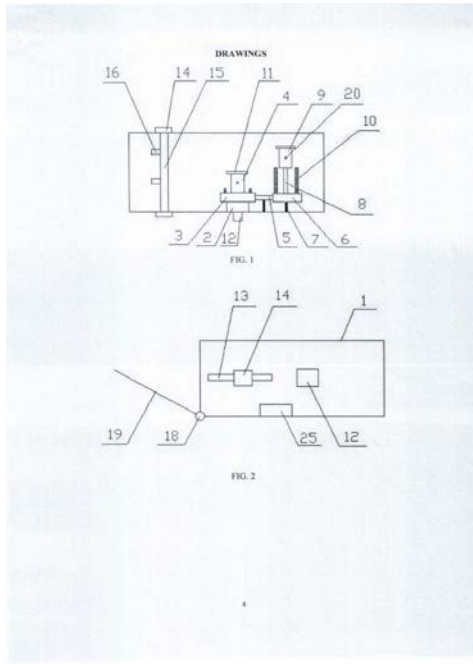
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16- C07F 19/00

- ១- KH/P/២០២០/០០១៣៩ CN
- ២- ខ
- ៣- ០០៣៩៥
- ៤- Gansu Agricultural University [CN]
- ៥- WEI, Linjing [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៣៩ CN
- ៨- Receiving Date: ១២/០៨/២០២០
CN Filing Date: ១២/១០/២០១៦ CN Registration Number:
២០១៦១០៨៨៧៩០៦.៩
- ៩-
- ១០- ថ្ងៃទី១ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- Cable Storage Box Special for Cabling of Networking Cable of Computer Room
- ១២- The present invention relates to a cable storage box special for cabling of a networking cable of a computer room, and belongs to the field of cable storage boxes. The cable storage box includes a cable storage box body, where a support rotating plate is arranged on one side of an inner wall of the cable storage box body; a first gear is arranged on one side of the support rotating plate; a first winding pillar is arranged on one side of the first gear; a second gear is connected to one side of the first gear; a third gear is connected to one side of the second gear; one side of the second gear and one side of the third gear each are connected to one side of the inner wall of the cable storage box body through a first movable rotating shaft. Three gears are engaged with each other, can drive the rotation of two different winding pillars at the same time, so as to select different network cables for use. A spiral winding groove arranged in a cable outlet can be used to wind cable ends for facilitating next use; limiting posts and limiting plates are used to prevent network cables from being out of place during the winding process; a slide block is arranged to expose/block the cable outlet to save space; and a transparent observation board can be arranged to observe a service condition of the network cables.

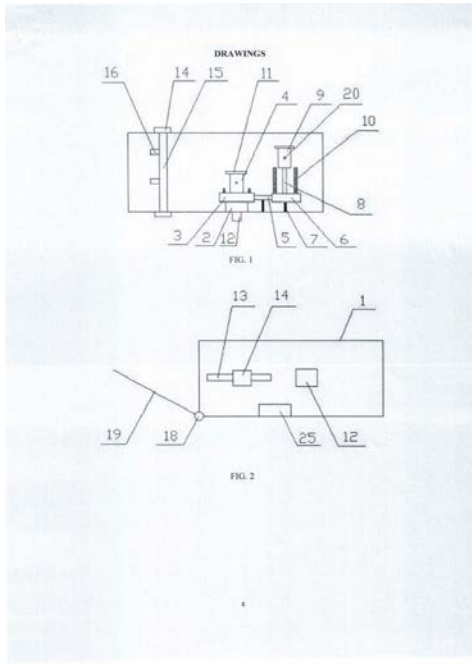
១៣-



១៤- B65H 75/38

- 1- KH/P/2020/00139 CN
- 2- B
- 3- 00395
- 4- Gansu Agricultural University [CN]
- 5- WEI, Linjing [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00139 CN
- 8- Receiving Date: 12/08/2020
CN Filing Date: 12/10/2016 CN Registration Number: 201610887906.9
- 9-
- 12- 1 June, 2023
- 13- Cable Storage Box Special for Cabling of Networking Cable of Computer Room
- 14- The present invention relates to a cable storage box special for cabling of a networking cable of a computer room, and belongs to the field of cable storage boxes. The cable storage box includes a cable storage box body, where a support rotating plate is arranged on one side of an inner wall of the cable storage box body; a first gear is arranged on one side of the support rotating plate; a first winding pillar is arranged on one side of the first gear; a second gear is connected to one side of the first gear; a third gear is connected to one side of the second gear; one side of the second gear and one side of the third gear each are connected to one side of the inner wall of the cable storage box body through a first movable rotating shaft. Three gears are engaged with each other, can drive the rotation of two different winding pillars at the same time, so as to select different network cables for use. A spiral winding groove arranged in a cable outlet can be used to wind cable ends for facilitating next use; limiting posts and limiting plates are used to prevent network cables from being out of place during the winding process; a slide block is arranged to expose/block the cable outlet to save space; and a transparent observation board can be arranged to observe a service condition of the network cables.

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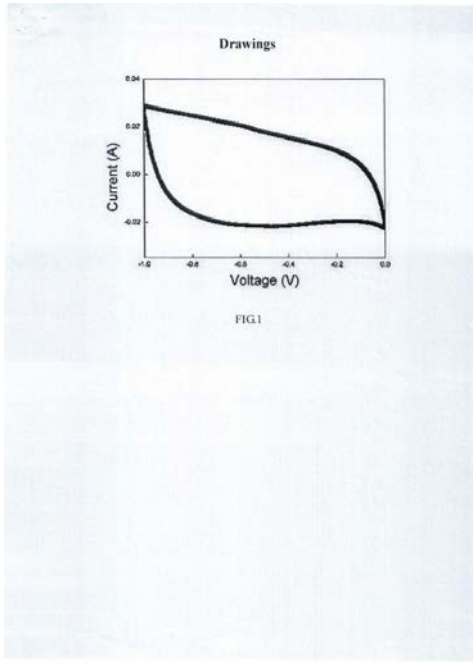
16- B65H 75/38

- ១- KH/P/២០២០/០០១៤០ CN
 - ២- ខ
 - ៣- ០០៤០៥
 - ៤- Qilu University of Technology [CN]
 - ៥- KONG, Fangong [CN]; XIA, Nannan [CN]; WANG, Shoujuan [CN]; YANG, Guihua [CN]; ZHAO, Xin [CN] and LIU, Zhongming [CN]
 - ៦- Kimly IP Service
 - ៧- KH/P/២០២០/០០១៤០ CN
 - ៨- Receiving Date: ១២/០៨/២០២០
CN Filing Date: ០៨/១២/២០១៧ CN Registration Number:
២០១៧១១២៩០៣៥០.៦
 - ៩-
 - ១០- ថ្ងៃទី២២ ខែមិថុនា ឆ្នាំ២០២៣
 - ១១- Environment-Friendly Clean Pulping Process
 - ១២- The invention discloses an environment-friendly clean pulping process, comprising the following processing steps: step 1: decomposing plant fiber; step 2: digesting and heating for smelting; step 3: washing and adsorbing to remove impurities; step 4: screening and extracting; step 5: bleaching to remove peculiar smell; step 6: purifying paper and forming; step 7: performing drying treatment; firstly, a biological decomposition mode is adopted to decompose a lignin structure in a specialized and oriented manner by utilizing a special strain, to effectively ferment and extract plant fiber contained in plants, and reduce production of impurities, so as to improve the quality of finished paper; by adopting deep processing modes of washing and adsorbing to remove impurities, screening and extracting, bleaching to remove peculiar smell and purifying paper and forming, firstly, impurities in pulp can be adsorbed by using a synthetic zeolite molecular sieve adsorbent, then, impurities are screened out by a dense screening net, and finally, deodorizing treatment is performed on pulp by using a chemical deodorant, so as to increase the degree of purity of pulp, and finally improve the product quality offinished paper.
 - ១៣- None
 - ១៤- D21B 1/34
-

- 1- KH/P/2020/00140 CN
 - 2- B
 - 3- 00405
 - 4- Qilu University of Technology [CN]
 - 5- KONG, Fangong [CN]; XIA, Nannan [CN]; WANG, Shoujuan [CN]; YANG, Guihua [CN]; ZHAO, Xin [CN] and LIU, Zhongming [CN]
 - 6- Kimly IP Service
 - 7- KH/P/2020/00140 CN
 - 8- Receiving Date: 12/08/2020
CN Filing Date: 08/12/2017 CN Registration Number: 201711290350.6
 - 9-
 - 12- 22 June, 2023
 - 13- Environment-Friendly Clean Pulping Process
 - 14- The invention discloses an environment-friendly clean pulping process, comprising the following processing steps: step 1: decomposing plant fiber; step 2: digesting and heating for smelting; step 3: washing and adsorbing to remove impurities; step 4: screening and extracting; step 5: bleaching to remove peculiar smell; step 6: purifying paper and forming; step 7: performing drying treatment; firstly, a biological decomposition mode is adopted to decompose a lignin structure in a specialized and oriented manner by utilizing a special strain, to effectively ferment and extract plant fiber contained in plants, and reduce production of impurities, so as to improve the quality of finished paper; by adopting deep processing modes of washing and adsorbing to remove impurities, screening and extracting, bleaching to remove peculiar smell and purifying paper and forming, firstly, impurities in pulp can be adsorbed by using a synthetic zeolite molecular sieve adsorbent, then, impurities are screened out by a dense screening net, and finally, deodorizing treatment is performed on pulp by using a chemical deodorant, so as to increase the degree of purity of pulp, and finally improve the product quality offinished paper.
 - 15- None
 - 16- D21B 1/34
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- ១- KH/P/២០២០/០០១៤១ CN
- ២- ខ
- ៣- ០០៤០៦
- ៤- QILU UNIVERSITY OF TECHNOLOGY [CN]
- ៥- KONG, Fangong [CN]; ZHAO, Xin [CN]; Xin; CHEN, Honglei [CN] and WANG, Shoujuan [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៤១ CN
- ៨- Receiving Date: ១២/០៨/២០២០
CN Filing Date: ០១/០៦/២០១៧ CN Registration Number:
២០១៧១០៤០៤៦៦៥.២
- ៩-
- ១០- ថ្ងៃទី២២ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- Preparation Method of New Type Hybrid Fiber Carbon Paper Used for Supercapacitors
- ១២- The invention especially relates to a preparation method of new type hybrid fiber carbon paper used for supercapacitors. The preparation method of new type hybrid fiber carbon paper 5 used for supercapacitors comprises the following steps: digesting wood by a papermaking process by taking wood as a precursor to form a sizing agent, then washing, screening and pulping to form pulp, and finally forming fiber paper by a papermaking process; completing metal loading on fiber paper by a chemical plating method, and performing high-temperature calcination under the protection of nitrogen to form new type hybrid fiber carbon paper. The 10 preparation method of new type hybrid fiber carbon paper used for supercapacitors takes wood as raw material, is rich in raw material, saves energy and reduces consumption, a fibrous structure is formed by a papermaking process, and steady hybrid carbon fiber paper is efficiently formed by simple a chemical plating and carbonizing method, so that application fields of research on controllable shape of biomass energy, preparation of a biomass-based 15 carbon material and supercapacitors are widened.

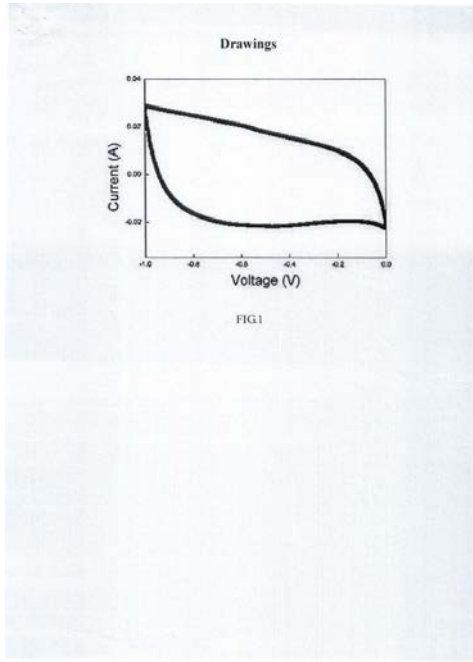
១៣-



១៤- D21C 3/02

- 1- KH/P/2020/00141 CN
- 2- B
- 3- 00406
- 4- QILU UNIVERSITY OF TECHNOLOGY [CN]
- 5- KONG, Fangong [CN]; ZHAO, Xin [CN]; Xin; CHEN, Honglei [CN] and WANG, Shoujuan [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00141 CN
- 8- Receiving Date: 12/08/2020
CN Filing Date: 01/06/2017 CN Registration Number: 201710404665.2
- 9-
- 12- 22 June, 2023
- 13- Preparation Method of New Type Hybrid Fiber Carbon Paper Used for Supercapacitors
- 14- The invention especially relates to a preparation method of new type hybrid fiber carbon paper used for supercapacitors. The preparation method of new type hybrid fiber carbon paper 5 used for supercapacitors comprises the following steps: digesting wood by a papermaking process by taking wood as a precursor to form a sizing agent, then washing, screening and pulping to form pulp, and finally forming fiber paper by a papermaking process; completing metal loading on fiber paper by a chemical plating method, and performing high-temperature calcination under the protection of nitrogen to form new type hybrid fiber carbon paper. The 10 preparation method of new type hybrid fiber carbon paper used for supercapacitors takes wood as raw material, is rich in raw material, saves energy and reduces consumption, a fibrous structure is formed by a papermaking process, and steady hybrid carbon fiber paper is efficiently formed by simple a chemical plating and carbonizing method, so that application fields of research on controllable shape of biomass energy, preparation of a biomass-based 15 carbon material and supercapacitors are widened.

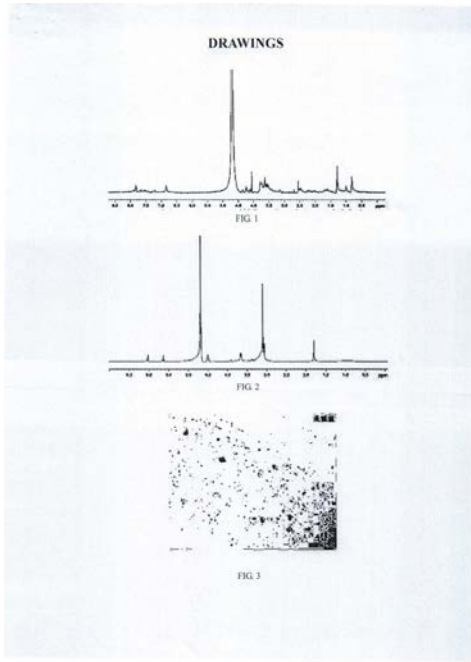
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16- D21C 3/02

- ១- KH/P/២០២០/០០១៤២ CN
- ២- ខ
- ៣- ០០៣៩៦
- ៤- QILU UNIVERSITY OF TECHNOLOGY [CN]
- ៥- KONG, Fangong [CN]; ZHAO, Xin [CN]; LI, Yan [CN]; ZHONG, Yajie [CN]; WANG, Shoujuan [CN] and LIU, Zhongming [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៤២ CN
- ៨- Receiving Date: ១២/០៨/២០២០
CN Filing Date: ១២/០១/២០១៨ CN Registration Number:
២០១៨១០០៣០១១៩.១
- ៩-
- ១០- ថ្ងៃទី១ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- Preparation Method and Application of Modified Lignin
- ១២- The invention belongs to the field of recycling and reapplication of lignin, relates to recycling and reapplication of cottonwood alkali lignin, and particularly relates to a preparation 5 method and application of modified lignin, including two parts, the first part is a cation lignin graft polymer prepared by adopting electrochemical catalysis of copolymerization of alkali lignin and DMC by taking a DMC (methacryloyloxyethyltrimethyl ammonium chloride) cationic monomer as raw material, and the second part is application of a cation lignin graft polymer in waste water of industrial cation staining agent ethyl violet; according to the 10 invention, lignin is successfully grafted with DMC to obtain a cation lignin graft polymer, which is good in flocculation treatment effect on dye waste water, lignin is well utilized, and the utilization rate of biomass resources is increased.

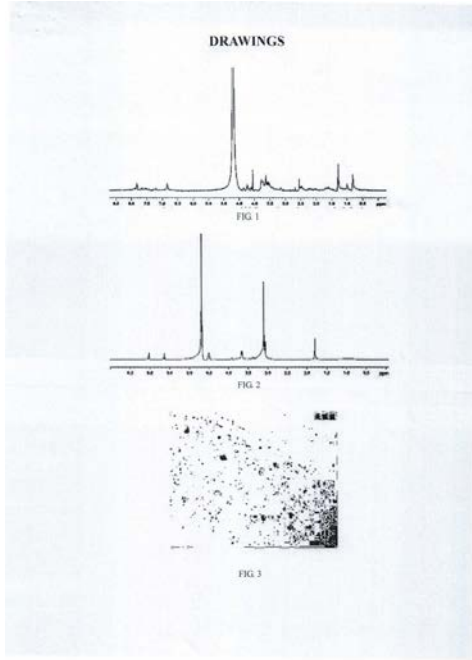
១៣-



១៤- C08F 289/00

- 1- KH/P/2020/00142 CN
- 2- B
- 3- 00396
- 4- QILU UNIVERSITY OF TECHNOLOGY [CN]
- 5- KONG, Fangong [CN]; ZHAO, Xin [CN]; LI, Yan [CN]; ZHONG, Yajie [CN];
WANG, Shoujuan [CN] and LIU, Zhongming [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00142 CN
- 8- Receiving Date: 12/08/2020
CN Filing Date: 12/01/2018 CN Registration Number: 201810030119.1
- 9-
- 12- 1 June, 2023
- 13- Preparation Method and Application of Modified Lignin
- 14- The invention belongs to the field of recycling and reapplication of lignin, relates to recycling and reapplication of cottonwood alkali lignin, and particularly relates to a preparation 5 method and application of modified lignin, including two parts, the first part is a cation lignin graft polymer prepared by adopting electrochemical catalysis of copolymerization of alkali lignin and DMC by taking a DMC (methacryloyloxyethyltrimethyl ammonium chloride) cationic monomer as raw material, and the second part is application of a cation lignin graft polymer in waste water of industrial cation staining agent ethyl violet; according to the 10 invention, lignin is successfully grafted with DMC to obtain a cation lignin graft polymer, which is good in flocculation treatment effect on dye waste water, lignin is well utilized, and the utilization rate of biomass resources is increased.

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16- C08F 289/00

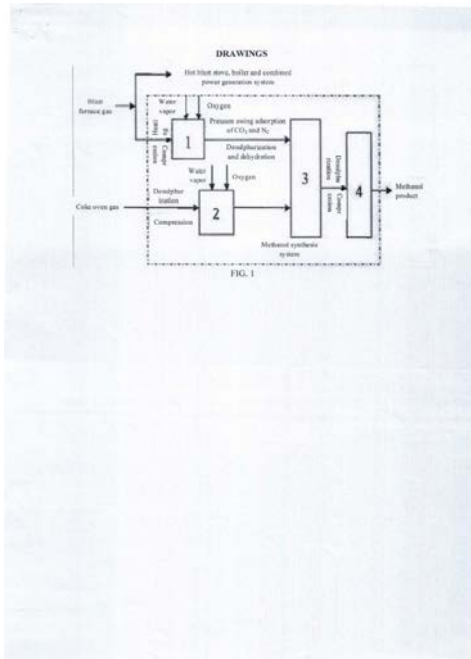
- ១- KH/P/២០២០/០០១៤៤ CN
 - ២- ខ
 - ៣- ០០៤២៣
 - ៤- Gansu Animal Husbandary and Veterinary Medicine Institute [CN]
 - ៥- Shubin Zhang [CN]; Qi Meng [CN]; Lingxia Feng [CN]; Haiming Zhang [CN] and Van Dang [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២០/០០១៤៤ CN
 - ៨- Receiving Date: ២៦/០៨/២០២០
CN Filing Date: ០២/០៨/២០១៦ CN Registration Number: ២០១៦១០៦២១៩៤០.១
 - ៩-
 - ១០- ថ្ងៃទី១៣ ខែវិច្ឆិកា ឆ្នាំ២០២៣
 - ១១- Heat-Resistant Protectant for Contagious Ecthyma (ORF) Live Vaccines, Lyophilized Powder of Heat-Resistant Protectant and Preparation Method of Lyophilized Powder
 - ១២- The present invention discloses a heatresistant protectant for contagious ecthyma (ORF) live vaccines, lyophilized powder of the heat-resistant protectant, and a preparation method of the lyophilized powder. The heat-resistant protectant is composed of the following substances in percentage by mass: 3%-5% of polyvinyl pyrrolidone, 1%-3% of sorbitol, 10%-30% of oligosaccharide, 1%-3% of polypeptone, 1%- 3% of sodium glutamate, 0.1%-0.3% of vitamin C, 0.052% of monopotassium phosphate, 0.164% of dipotassium phosphate, 5%-10% of neonatal bovine serum and the balance of distilled water. Due to rational combination of components and content of the heat-resistant protectant in the present invention, ORF live vaccines are heatresistant and resistant to storage. ORF modified-live vaccine lyophilized powder prepared by adopting the heat-resistant protectant in the present invention avoids formation of ice crystals and decreases physical damage of virus cyst membranes, so that the live vaccine lyophilized powder may be preserved at 25°C for 2 months, and preserved under a condition of 2-8°C for 24 months.
 - ១៣- None
 - ១៤- A61K 39/275
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- 1- KH/P/2020/00144 CN
 - 2- B
 - 3- 00423
 - 4- Gansu Animal Husbandary and Veterinary Medicine Institute [CN]
 - 5- Shubin Zhang [CN]; Qi Meng [CN]; Lingxia Feng [CN]; Haiming Zhang [CN] and Van Dang [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00144 CN
 - 8- Receiving Date: 26/08/2020
CN Filing Date: 02/08/2016 CN Registration Number: 201610621940.1
 - 9-
 - 12- 13 November, 2023
 - 13- Heat-Resistant Protectant for Contagious Ecthyma (ORF) Live Vaccines, Lyophilized Powder of Heat-Resistant Protectant and Preparation Method of Lyophilized Powder
 - 14- The present invention discloses a heatresistant protectant for contagious ecthyma (ORF) live vaccines, lyophilized powder of the heat-resistant protectant, and a preparation method of the lyophilized powder. The heat-resistant protectant is composed of the following substances in percentage by mass: 3%-5% of polyvinyl pyrrolidone, 1%-3% of sorbitol, 10%-30% of oligosaccharide, 1%-3% of polypeptone, 1%- 3% of sodium glutamate, 0.1%-0.3% of vitamin C, 0.052% of monopotassium phosphate, 0.164% of dipotassium phosphate, 5%-10% of neonatal bovine serum and the balance of distilled water. Due to rational combination of components and content of the heat-resistant protectant in the present invention, ORF live vaccines are heatresistant and resistant to storage. ORF modified-live vaccine lyophilized powder prepared by adopting the heat-resistant protectant in the present invention avoids formation of ice crystals and decreases physical damage of virus cyst membranes, so that the live vaccine lyophilized powder may be preserved at 25°C for 2 months, and preserved under a condition of 2-8°C for 24 months.
 - 15- None
 - 16- A61K 39/275
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- ១- KH/P/២០២០/០០១៤៦ CN
- ២- ខ
- ៣- ០០៣៣៧
- ៤- North China University of Science and Technology [CN]
- ៥- LI JIANPENG [CN]; QIE YANA [CN]; LYU QING [CN]; ZHANG SHUHUI [CN]; LIU XIAOJIE [CN]; LAN CHENCHEN [CN]; LIU SONG [CN]; TIAN YE [CN] and SUN YANQIN [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៤៦ CN
- ៨- Receiving Date: ២៦/០៨/២០២០
CN Filing Date: ២៧/១១/២០១៦ CN Registration Number:
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- ៩-
- ១០- ថ្ងៃទី៣ ខែសីហា ឆ្នាំ២០២២
- ១១- Process for Reducing CO2 Emission of Integrated Iron and Steel Works
- ១២- The present invention relates to a process for reducing a CO2 emission of integrated iron and steel works, and belongs to the field of ferrous metallurgy. The process uses a carbon conversion method to convert CO2 in a blast furnace gas into CO and then synthesize a methanol with H2 in a hydrogen-enriched coke oven gas. The main steps include: the blast furnace gas, oxygen and a water vapor are injected into a gasifier; the CO2 in the blast furnace gas, the water vapor and a carbon are reacted in a high-temperature region in the gasifier to form CO and H2; after enrichment, the blast furnace gas is desulfurized, decarbonized and dehydrated; after CO2 and H2 are removed, the blast furnace gas and the hydrogen-enriched coke oven gas are used to synthesize a methanol. The process reuses the CO2 in the blast furnace gas. By using the CO2 in the blast furnace gas as a gasifying agent, the gasifier saves 25% to 30% of carbon consumption for the production of an equal molar amount of CO, achieving energy saving. Besides, the process increases a caloric value of the blast furnace gas, and expands the application of the blast furnace gas.

The carbon in the CO₂ of the iron and steel plant finally leaves as a methanol product. The process increases the carbon output of the iron and steel plant, and effectively solves the CO₂ emission problem of the iron and steel plant by using the carbon conversion method. A carbon balance calculation shows that the carbon conversion method of the process reduces the iron and steel plant's CO₂ emission by 0.23-0.50 t per ton of steel.

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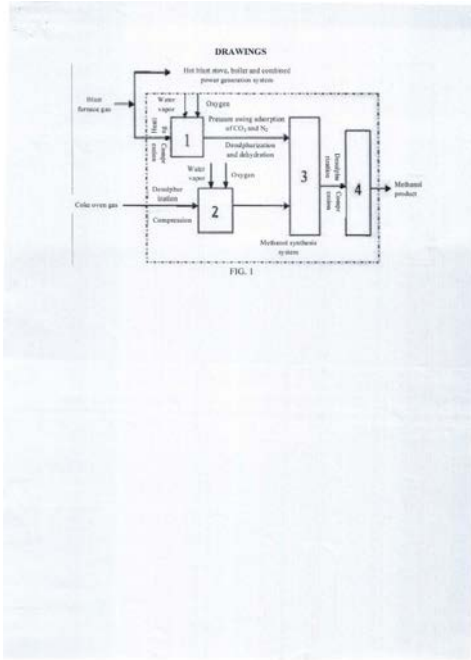


១៤- C07C 31/04

- 1- KH/P/2020/00146 CN
- 2- B
- 3- 00337
- 4- North China University of Science and Technology [CN]
- 5- LI JIANPENG [CN]; QIE YANA [CN]; LYU QING [CN]; ZHANG SHUHUI [CN]; LIU XIAOJIE [CN]; LAN CHENCHEN [CN]; LIU SONG [CN]; TIAN YE [CN] and SUN YANQIN [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00146 CN
- 8- Receiving Date: 26/08/2020
CN Filing Date: 27/11/2016 CN Registration Number: 201611058463.1
- 9-
- 12- 3 August, 2022
- 13- Process for Reducing CO₂ Emission of Integrated Iron and Steel Works
- 14- The present invention relates to a process for reducing a CO₂ emission of integrated iron and steel works, and belongs to the field of ferrous metallurgy. The process uses a carbon conversion method to convert CO₂ in a blast furnace gas into CO and then synthesize a methanol with H₂ in a hydrogen-enriched coke oven gas. The main steps include: the blast furnace gas, oxygen and a water vapor are injected into a gasifier; the CO₂ in the blast furnace gas, the water vapor and a carbon are reacted in a high-temperature region in the gasifier to form CO and H₂; after enrichment, the blast furnace gas is desulfurized, decarbonized and dehydrated; after CO₂ and H₂ are removed, the blast furnace gas and the hydrogen-enriched coke oven gas are used to synthesize a methanol. The process reuses the CO₂ in the blast furnace gas. By using the CO₂ in the blast furnace gas as a gasifying agent, the gasifier saves 25% to 30% of carbon consumption for the production of an equal molar amount of CO, achieving energy saving. Besides, the process increases a caloric value of the blast furnace gas, and expands the application of the blast furnace gas. The carbon in the CO₂ of the iron and steel plant finally leaves as a methanol product. The process increases the carbon output of the iron and steel plant,

and effectively solves the CO₂ emission problem of the iron and steel plant by using the carbon conversion method. A carbon balance calculation shows that the carbon conversion method of the process reduces the iron and steel plant's CO₂ emission by 0.23-0.50 t per ton of steel.

15-



16- C07C 31/04

- ១- KH/P/២០២០/០០១៤៨ CN
- ២- ខ
- ៣- ០០៣៨៣
- ៤- Institute of Animal Science, Guangdong Academy of Agricultural Sciences
[CN]
- ៥- Shouqun Jiang, [CN]; Zongyong Jiang [CN]; Chuntian Zheng [CN]; Zhongyong Gou [CN]; Xiajing lin [CN]; Fayuan Ding [CN] and Fang Chen [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២០/០០១៤៨ CN
- ៨- Receiving Date: ១១/០៩/២០២០
CN Filing Date: ៣០/១០/២០១៥ CN Registration Number:
២០១៥១០៧៣១៩៣៦.៦
- ៩-
- ១០- ថ្ងៃទី១០ ខែកុម្ភៈ ឆ្នាំ២០២៣
- ១១- Feed Additive Premix for Relieving Intestinal Oxidative Stress of Broilers and Application Thereof
- ១២- The present invention discloses a feed additive premix for relieving intestinal oxidative stress of broilers and application thereof. The premix comprises the following components: 20-50g/kg of α -glucosidase, 40-80g/kg of glucose oxidase, 5-10g/kg of vitamin B₂, 15-30mg/kg of active selenium yeast, 30-60g/kg of chitosan, and 50-80g/kg of Bidens pilosa L. extract. The premix provided by the present invention does not contain any antibiotic, is an environment-friendly, pollution-free and drug residue-free high-quality feed additive premix for broilers; has the advantage of having no toxic and side effect and being beneficial to broiler growth and human health, and has the advantage of simple and convenient preparation and use methods; has the biological functions of promoting broiler growth, improving feed utilization, and improving the body anti-oxidant capacity; and has the effects of effectively relieving intestinal oxidative stress, improving body immunity, and reducing infection rate and mortality caused by intestinal diseases such as broiler diarrhea and the like

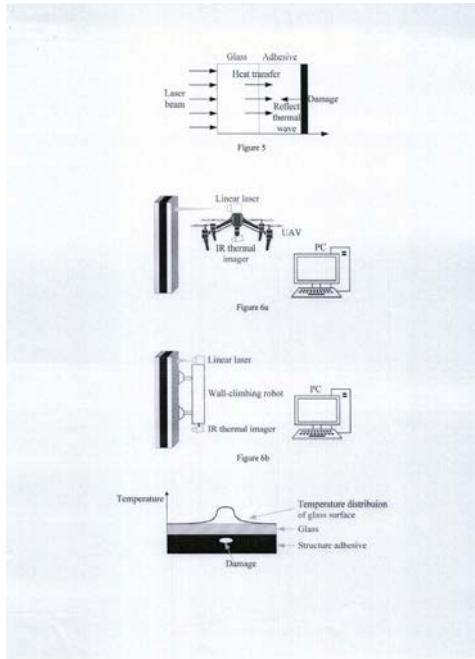
១៣- None

១៤- A23K 50/75

- 1- KH/P/2020/00148 CN
 - 2- B
 - 3- 00383
 - 4- Institute of Animal Science, Guangdong Academy of Agricultural Sciences
[CN]
 - 5- Shouqun Jiang, [CN]; Zongyong Jiang [CN]; Chuntian Zheng [CN]; Zhongyong
Gou [CN]; Xiajing lin [CN]; Fayuan Ding [CN] and Fang Chen [CN]
 - 6- ABACUS IP
 - 7- KH/P/2020/00148 CN
 - 8- Receiving Date: 11/09/2020
CN Filing Date: 30/10/2015 CN Registration Number: 201510731936.6
 - 9-
 - 12- 10 February, 2023
 - 13- Feed Additive Premix for Relieving Intestinal Oxidative Stress of Broilers and
Application Thereof
 - 14- The present invention discloses a feed additive premix for relieving intestinal oxidative
stress of broilers and application thereof. The premix comprises the following
components: 20-50g/kg of α -glucosidase, 40-80g/kg of glucose oxidase, 5- 10g/kg of
vitamin B₂, 15-30mg/kg of active selenium yeast, 30-60g/kg of chitosan, and 50-80g/kg
of *Bidens pilosa* L. extract. The premix provided by the present invention does not
contain any antibiotic, is an environment-friendly, pollution-free and drug residue-free
high-quality feed additive premix for broilers; has the advantage of having no toxic and
side effect and being beneficial to broiler growth and human health, and has the
advantage of simple and convenient preparation and use methods; has the biological
functions of promoting broiler growth, improving feed utilization, and improving the body
anti-oxidant capacity; and has the effects of effectively relieving intestinal oxidative
stress, improving body immunity, and reducing infection rate and mortality caused by
intestinal diseases such as broiler diarrhea and the like
 - 15- None
 - 16- A23K 50/75
-

- ១- KH/P/២០២០/០០១៥៨ CN
- ២- ខ
- ៣- ០០៣៥៣
- ៤- South China University of Technology [CN]
- ៥- HONG XIAOBIN [CN] and LIN JINFAN [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២០/០០១៥៨ CN
- ៨- Receiving Date: ០៧/១០/២០២០
CN Filing Date: ១០/០១/២០១៩ CN Registration Number:
២០១៩១០០២២៧៦៨.១
- ៩-
- ១០- ថ្ងៃទី៣១ ខែតុលា ឆ្នាំ២០២២
- ១១- An Active Infrared Thermal Wave Detection Method and System for the Damage Detection of Glass Curtain Wall Bonding Structure
- ១២- The invention discloses an active infrared (IR) thermal wave detection method and system for the damage detection of glass curtain wall bonding structure. The steps of the method are as follows. A laser is used as heat source to heat a glass curtain wall sample and an IR thermal imager is used to get a surface temperature curve. The laser and IR thermal imager are mounted on an unmanned aerial vehicle (UA V) or wall-climbing robot. Get the best scanning timing between the laser beam and IR thermal imager from the temperature curve. Turn on the laser and IR thermal imager, setting IR thermal imager parameters, acquisition frequency and the laser power. The VA V or wall-climbing robots is moves at a constant speed along the bonding structure of glass curtain wall to collect the temperature field. The thermal image sequences are collected and transmitted to a PC. Use the delay correction of thermal image sequences to get a more obvious temperature distribution. Analyze the temperature difference of abnormal area to identify the damage of the glass curtain wall adhesive structure

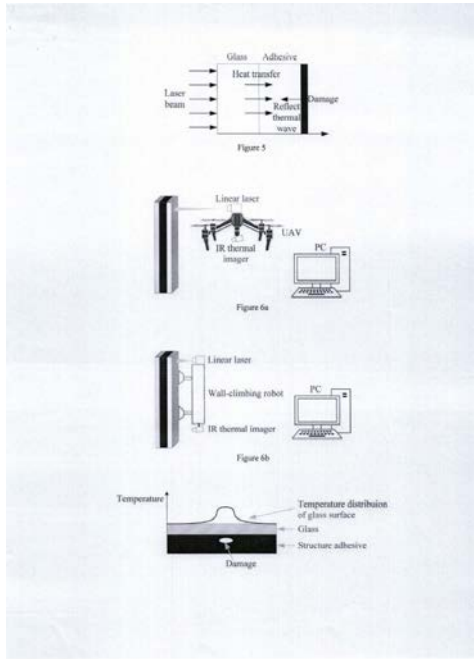
១៣-



១៤- C04B 28/14

- 1- KH/P/2020/00158 CN
- 2- B
- 3- 00353
- 4- South China University of Technology [CN]
- 5- HONG XIAOBIN [CN] and LIN JINFAN [CN]
- 6- Kimly IP Service
- 7- KH/P/2020/00158 CN
- 8- Receiving Date: 07/10/2020
CN Filing Date: 10/01/2019 CN Registration Number: 201910022768.1
- 9-
- 12- 31 October, 2022
- 13- An Active Infrared Thermal Wave Detection Method and System for the Damage Detection of Glass Curtain Wall Bonding Structure
- 14- The invention discloses an active infrared (IR) thermal wave detection method and system for the damage detection of glass curtain wall bonding structure. The steps of the method are as follows. A laser is used as heat source to heat a glass curtain wall sample and an IR thermal imager is used to get a surface temperature curve. The laser and IR thermal imager are mounted on an unmanned aerial vehicle (UA V) or wall-climbing robot. Get the best scanning timing between the laser beam and IR thermal imager from the temperature curve. Turn on the laser and IR thermal imager, setting IR thermal imager parameters, acquisition frequency and the laser power. The VA V or wall-climbing robots is moves at a constant speed along the bonding structure of glass curtain wall to collect the temperature field. The thermal image sequences are collected and transmitted to a PC. Use the delay correction of thermal image sequences to get a more obvious temperature distribution. Analyze the temperature difference of abnormal area to identify the damage of the glass curtain wall adhesive structure

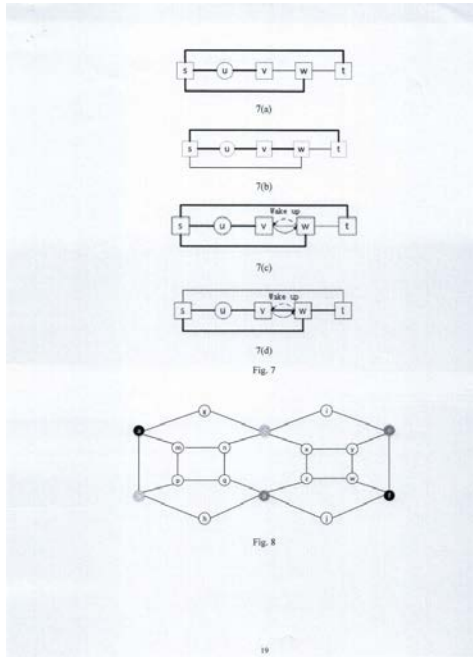
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16- C04B 28/14

- ១- KH/P/២០២០/០០១៦២ CN
- ២- ខ
- ៣- ០០៤២៦
- ៤- Nanjing Normal University [CN]
- ៥- YU ZHAOYUAN [CN]; YUAN LINWANG [CN]; ZHU SHUAI [CN]; HU YONG [CN]; YUAN SHUAI [CN] and LYU GUONIAN [CN]
- ៦- ANGKOR IP AGENT
- ៧- KH/P/២០២០/០០១៦២ CN
- ៨- Receiving Date: ០៤/១១/២០២០
CN Filing Date: ២៣/០៦/២០១៧ CN Registration Number:
២០១៧១០៤៨៨៥២២.៤
- ៩-
- ១០- ថ្ងៃទី២៦ ខែធ្នូ ឆ្នាំ២០២៣
- ១១- Hierarchical Network Construction Method for Massive Road Network Data Compression Storage
- ១២- A hierarchical network construction method for massive road network data compression storage is disclosed. The method includes the following steps: hierarchically dividing massive network data, divided hierarchies being settable through parameters; constructing a network overlay on the basis of network hierarchy division, and reconstructing topological features of an upper-layer network based on a shortest path, so that the upper-layer network still has connectivity; partitioning a network on the basis of a hierarchical network overlay; and compressing intra-regional nodes on the basis of hierarchical partition construction, calculating a nearest neighbor partition boundary node that can be reached, attaching the node to the boundary node, and saving relevant information, so that the compression of massive network data is realized. The present invention is mainly used for hierarchical construction and compression storage of a large-scale road network, the overall structure and topological features of the network can be well maintained after the network is compressed on a large scale, and the efficiency of a sub-network analysis algorithm can be improved.

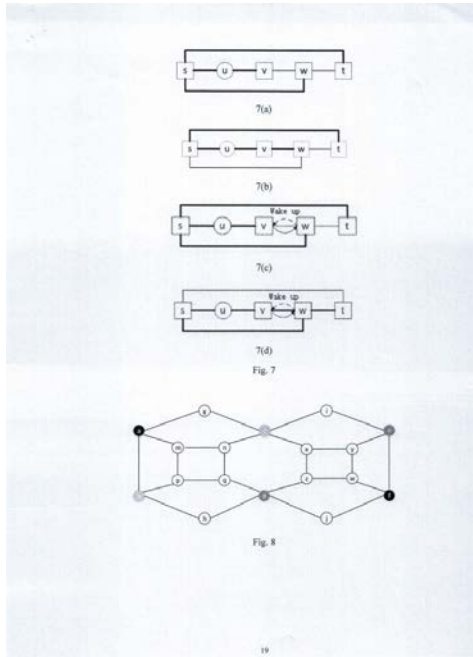
១៣-



១៤- G06F 17/30

- 1- KH/P/2020/00162 CN
- 2- B
- 3- 00426
- 4- Nanjing Normal University [CN]
- 5- YU ZHAOYUAN [CN]; YUAN LINWANG [CN]; ZHU SHUAI [CN]; HU YONG [CN]; YUAN SHUAI [CN] and LYU GUONIAN [CN]
- 6- ANGKOR IP AGENT
- 7- KH/P/2020/00162 CN
- 8- Receiving Date: 04/11/2020
CN Filing Date: 23/06/2017 CN Registration Number: 201710488522.4
- 9-
- 12- 26 December, 2023
- 13- Hierarchical Network Construction Method for Massive Road Network Data Compression Storage
- 14- A hierarchical network construction method for massive road network data compression storage is disclosed. The method includes the following steps: hierarchically dividing massive network data, divided hierarchies being settable through parameters; constructing a network overlay on the basis of network hierarchy division, and reconstructing topological features of an upper-layer network based on a shortest path, so that the upper-layer network still has connectivity; partitioning a network on the basis of a hierarchical network overlay; and compressing intra-regional nodes on the basis of hierarchical partition construction, calculating a nearest neighbor partition boundary node that can be reached, attaching the node to the boundary node, and saving relevant information, so that the compression of massive network data is realized. The present invention is mainly used for hierarchical construction and compression storage of a large-scale road network, the overall structure and topological features of the network can be well maintained after the network is compressed on a large scale, and the efficiency of a sub-network analysis algorithm can be improved.

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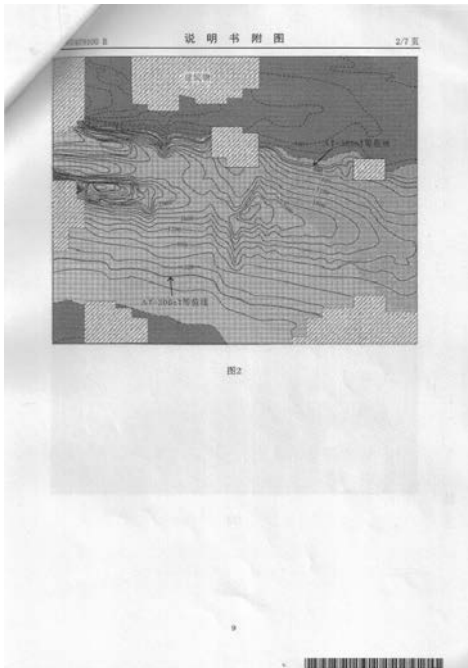


16- G06F 17/30

- ១- KH/P/២០២១/០០០០២ CN
- ២- ខ
- ៣- ០០៣៤៩
- ៤- No.6 Institute of Geology and Mineral Resources Exploration of Shandong Province, PR China.
[CN] and SONG, Mingchun; ZOU, Ande; YU, Xuefeng; HUO, Guang; BAO, Zhongyi.
[CN]
- ៥- SONG MINGCHUN [CN]; AN YANGSHENG [CN]; HAN TINGBAO [CN]; GAN YANJING [CN]; ZHANG XU [CN]; SONG YINGXIN [CN] and ZHAO RUNQIAN [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០០២ CN
- ៨- Receiving Date: ១១/០១/២០២១
CN Filing Date: ២៤/០៨/២០១៧ CN Registration Number:
២០១៧១០៧៣៦០៦៦.០
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- A Method for Prospecting for Steeply-Dipping and Deeply-Concealed Iron Ore
- ១២- The invention discloses a method for prospecting for steeply-dipping and deeply-concealed iron ore. Quantitative indicators of magnetic parameters for ore prospecting are as follows: (1) magnetic anomaly feature of a concealed BIF stratum: 1:50000 aeromagnetic anomaly $ASM > 50nT/m$; (2) magnetic anomaly features of the occurrence area of a deeply-concealed iron ore deposit: 1 :50000 aeromagnetic anomaly $ASM > 200nT/m$, and $\sim T > 300nT$; (3) magnetic anomaly feature of the projection position of the head of a deep iron ore deposit on the earth surface: vertical second derivative of 1: 10000 high-precision magnetic-measurement magnetic anomaly AT upward extending by $100m > 275nT$; (4) magnetic anomaly features of a steeply-dipping iron ore body formed with closed similar folds: banded magnetic anomaly form, length-width ratio $> 5:1$, two or

more peaks on a high-precision magnetic measurement profile, asymmetric magnetic measurement profile anomaly curve, depth-width ratio of the curve > 112, and axis angle > 50°. The invention effectively overcomes technical difficulties in prospecting for steeply-dipping and deeply-concealed iron ore.

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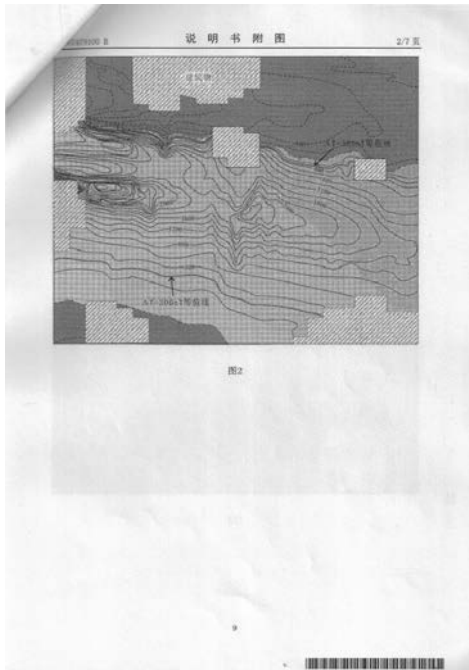


១៤- G01V 3/40

- 1- KH/P/2021/00002 CN
- 2- B
- 3- 00349
- 4- No.6 Institute of Geology and Mineral Resources Exploration of Shandong Province, PR China.
[CN] and SONG, Mingchun; ZOU, Ande; YU, Xuefeng; HUO, Guang; BAO, Zhongyi.
[CN]
- 5- SONG MINGCHUN [CN]; AN YANGSHENG [CN]; HAN TINGBAO [CN]; GAN YANJING [CN]; ZHANG XU [CN]; SONG YINGXIN [CN] and ZHAO RUNQIAN [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00002 CN
- 8- Receiving Date: 11/01/2021
CN Filing Date: 24/08/2017 CN Registration Number: 201710736066.0
- 9-
- 12- 7 October, 2022
- 13- A Method for Prospecting for Steeply-Dipping and Deeply-Concealed Iron Ore
- 14- The invention discloses a method for prospecting for steeply-dipping and deeply-concealed iron ore. Quantitative indicators of magnetic parameters for ore prospecting are as follows: (1) magnetic anomaly feature of a concealed BIF stratum: 1:50000 aeromagnetic anomaly $ASM > 50nT/m$; (2) magnetic anomaly features of the occurrence area of a deeply-concealed iron ore deposit: 1 :50000 aeromagnetic anomaly $ASM > 200nT/m$, and $\sim T > 300nT$; (3) magnetic anomaly feature of the projection position of the head of a deep iron ore deposit on the earth surface: vertical second derivative of 1: 10000 high-precision magnetic-measurement magnetic anomaly AT upward extending by $100m > 275nT$; (4) magnetic anomaly features of a steeply-dipping iron ore body formed with closed similar folds: banded magnetic anomaly form, length-width ratio $> 5:1$, two or more peaks on a high-precision magnetic measurement profile, asymmetric magnetic measurement profile anomaly curve, depth-width ratio of the curve $>$

112, and axis angle $> 50^\circ$. The invention effectively overcomes technical difficulties in prospecting for steeply-dipping and deeply-concealed iron ore.

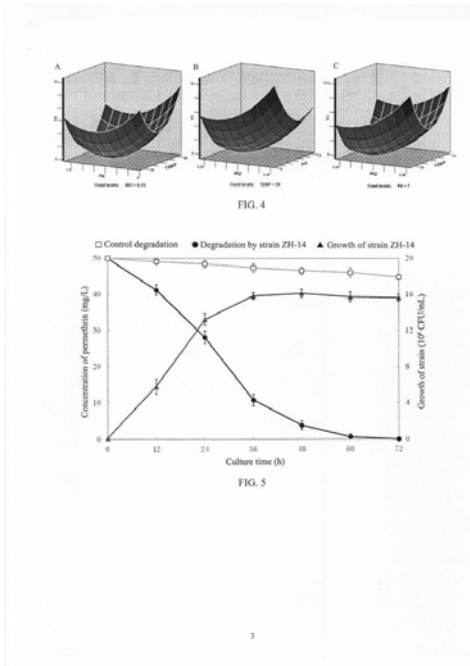
15-



16- G01V 3/40

- ១- KH/P/២០២១/០០០០៤ CN
- ២- ខ
- ៣- ០០៣៥០
- ៤- SOUTH CHINA AGRICULTURAL UNIVERSITY [CN]
- ៥- CHEN, Shaohua [CN]; ZHAN, Hui [CN]; FENG, Yanmei [CN]; FAN, Xinghui [CN]; YE, Tian [CN]; TENG, Shiyu [CN] and HE, Jiehua [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០០៤ CN
- ៨- Receiving Date: ១១/០១/២០២១
CN Filing Date: ២៤/០៥/២០១៧ CN Registration Number:
២០១៧១០៣៧៥០៩៧.៨
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- PYRETHROID INSECTICIDE RESIDUE DEGRADING STRAIN AND USE THEREOF
- ១២- The present invention discloses a pyrethroid insecticide residue degrading strain and use thereof. The strain ZH-14 characterized as *Acinetobacter baumannii*, and was deposited in the China Center for Type Culture Collection on November 28, 2016, with a deposit number of CCTCC NO: M 2016689. The strain has a significant ability to degrade pyrethroid insecticide residue. The strain is prepared into a liquid formulation with low production cost and convenient use, and it is suitable for the treatment of residual pollution caused by pyrethroid insecticide in natural environment such as water or soil. When applied directly, the permethrin residue in water or soil can be reduced by more than 85% in a short time, which can solve the problem of excessive pyrethroid insecticide residue in agricultural production and environmental pollution, and produce non-toxic and pollution-free green agricultural products, which has important theoretical guidance and practical application value.

១៣-



១៤- C12N 1/20

- 1- KH/P/2021/00004 CN
- 2- B
- 3- 00350
- 4- SOUTH CHINA AGRICULTURAL UNIVERSITY [CN]
- 5- CHEN, Shaohua [CN]; ZHAN, Hui [CN]; FENG, Yanmei [CN]; FAN, Xinghui [CN]; YE, Tian [CN]; TENG, Shiyu [CN] and HE, Jiehua [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00004 CN
- 8- Receiving Date: 11/01/2021
CN Filing Date: 24/05/2017 CN Registration Number: 201710375097.8
- 9-
- 12- 7 October, 2022
- 13- PYRETHROID INSECTICIDE RESIDUE DEGRADING STRAIN AND USE THEREOF
- 14- The present invention discloses a pyrethroid insecticide residue degrading strain and use thereof. The strain ZH-14 characterized as *Acinetobacter baumannii*, and was deposited in the China Center for Type Culture Collection on November 28, 2016, with a deposit number of CCTCC NO: M 2016689. The strain has a significant ability to degrade pyrethroid insecticide residue. The strain is prepared into a liquid formulation with low production cost and convenient use, and it is suitable for the treatment of residual pollution caused by pyrethroid insecticide in natural environment such as water or soil. When applied directly, the permethrin residue in water or soil can be reduced by more than 85% in a short time, which can solve the problem of excessive pyrethroid insecticide residue in agricultural production and environmental pollution, and produce non-toxic and pollution-free green agricultural products, which has important theoretical guidance and practical application value.

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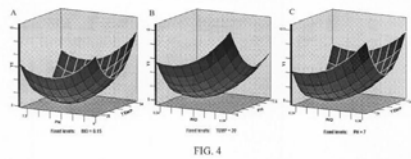


FIG. 4

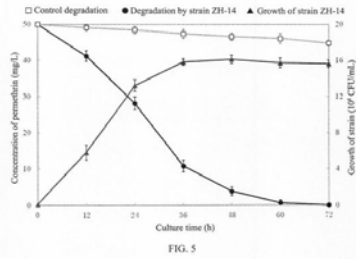


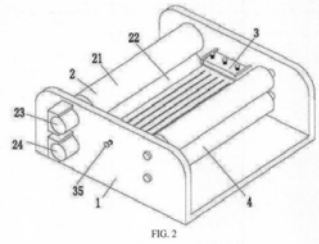
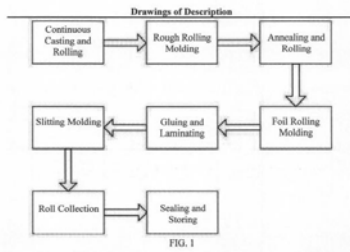
FIG. 5

16- C12N 1/20

- ១- KH/P/២០២១/០០០០៥ CN
- ២- ខ
- ៣- ០០៤២៧
- ៤- ANHUI BAISHENGYUAN PACKING MATERIALS CO., LTD [CN]
- ៥- Qun Wan [CN] and Shuyue Zhao [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០០៥ CN
- ៨- Receiving Date: ២១/០១/២០២១
CN Filing Date: ០៤/០៦/២០១៩ CN Registration Number: ២០១៩១០៤៨០៤០៥.២
- ៩-
- ១០- ថ្ងៃទី២៨ ខែធ្នូ ឆ្នាំ២០២៣
- ១១- PRODUCTION TECHNOLOGY OF COMPOSITE ALUMINUM FOIL

- ១២- The present invention relates to a production technology of a composite aluminum foil, which comprises an installing frame, a gluing apparatus, spreading apparatuses and laminating rollers. The installing frame has a U-shaped structure; the inner left end of the installing frame is provided with the gluing apparatus; the spreading apparatuses are symmetrically installed in the inner middle of the installing frame; the inner right end of the installing frame is symmetrically provided with the laminating rollers; and the laminating rollers are connected with the installing frame through bearings. The present invention can solve the problems that: when the surface of an aluminum foil is glued in the prior art, generally the gluing effect is poor, gluing is uneven, the bonding between a plastic film and the aluminum foil is weak and the peel strength of the composite aluminum foil is low; and when the aluminum foil and the plastic film are bonded by the existing device, the glue on the aluminum foil is easy to leak out when being squeezed, causing that a large amount of glue is easy to adhere to the device and the glue is easy to adhere to the surface of the aluminum foil, thereby affecting the use effect of the composite aluminum foil.

១៣-



១៤- B21B 1/40

- 1- KH/P/2021/00005 CN
- 2- B
- 3- 00427
- 4- ANHUI BAISHENGYUAN PACKING MATERIALS CO., LTD [CN]
- 5- Qun Wan [CN] and Shuyue Zhao [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00005 CN
- 8- Receiving Date: 21/01/2021
CN Filing Date: 04/06/2019 CN Registration Number: 201910480405.2
- 9-
- 12- 28 December, 2023
- 13- PRODUCTION TECHNOLOGY OF COMPOSITE ALUMINUM FOIL
- 14- The present invention relates to a production technology of a composite aluminum foil, which comprises an installing frame, a gluing apparatus, spreading apparatuses and laminating rollers. The installing frame has a U-shaped structure; the inner left end of the installing frame is provided with the gluing apparatus; the spreading apparatuses are symmetrically installed in the inner middle of the installing frame; the inner right end of the installing frame is symmetrically provided with the laminating rollers; and the laminating rollers are connected with the installing frame through bearings. The present invention can solve the problems that: when the surface of an aluminum foil is glued in the prior art, generally the gluing effect is poor, gluing is uneven, the bonding between a plastic film and the aluminum foil is weak and the peel strength of the composite aluminum foil is low; and when the aluminum foil and the plastic film are bonded by the existing device, the glue on the aluminum foil is easy to leak out when being squeezed, causing that a large amount of glue is easy to adhere to the device and the glue is easy to adhere to the surface of the aluminum foil, thereby affecting the use effect of the composite aluminum foil.

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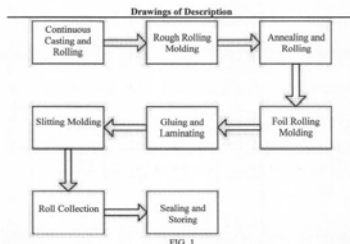
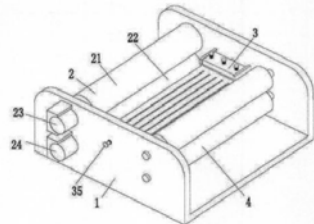


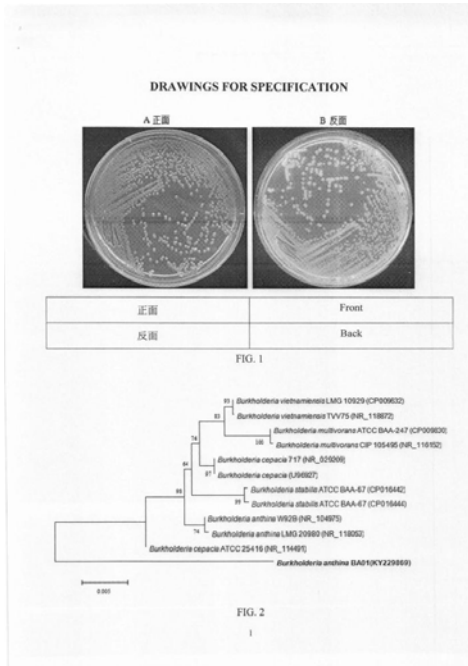
FIG. 1



16- B21B 1/40

- ១- KH/P/២០២១/០០០០៩ CN
- ២- ខ
- ៣- ០០៣៥១
- ៤- SOUTH CHINA AGRICULTURAL UNIVERSITY [CN]
- ៥- CHEN Shaohua [CN]; FENG Yanmei [CN]; YANG Jingjing [CN]; ZHAN Hui [CN]; TENG Shiyu [CN]; LIU Kexin [CN] and ZHANG Xinqian [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០០៩ CN
- ៨- Receiving Date: ០៤/០២/២០២១
CN Filing Date: ០៤/០១/២០១៧ CN Registration Number:
២០១៧១០០០៤៣៣៦.៩
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- MICROBICIDE PYRACLOSTROBIN DEGRADING STRAIN AND MICROBIAL INOCULUM PRODUCED THEREFROM AND USE THEREOF
- ១២- The present invention discloses a strain Burkholderia anthina BAO 1 capable of degrading pyraclostrobin, a microbial inoculum produced therefrom and use thereof. The strain Burkholderia anthina BAO 1 was deposited in the China Center for Type Culture Collection on November 28, 2016, with a deposit number of CCTCC NO: M 2016687. The strain can effectively degrade pyraclostrobin in a short time, has significant a biodegradation effect, and can be used to repair natural environment such as water and soil polluted by pyraclostrobin. When applied directly, pyraclostrobin residue in water and soil can be reduced by more than 80%, which can solve the problem of excessive pyraclostrobin pesticide residue in agricultural production and environmental pollution, and produce non-toxic and pollution-free green agricultural products, which has important theoretical guidance and practical application value.

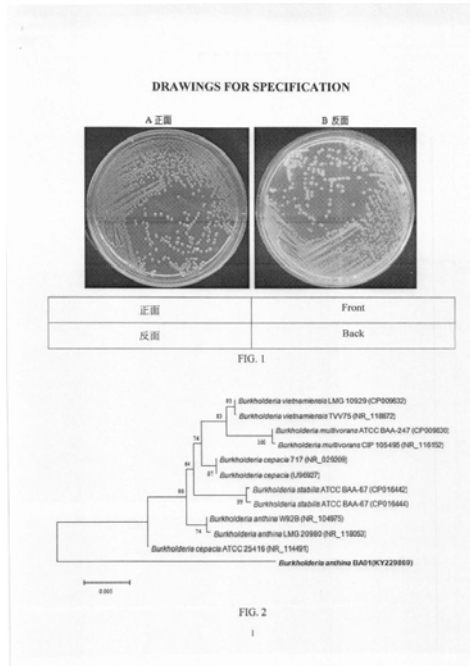
១៣-



១៤- C12N 1/20

- 1- KH/P/2021/00009 CN
- 2- B
- 3- 00351
- 4- SOUTH CHINA AGRICULTURAL UNIVERSITY [CN]
- 5- CHEN Shaohua [CN]; FENG Yanmei [CN]; YANG Jingjing [CN]; ZHAN Hui [CN];
TENG Shiyu [CN]; LIU Kexin [CN] and ZHANG Xinqian [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00009 CN
- 8- Receiving Date: 04/02/2021
CN Filing Date: 04/01/2017 CN Registration Number: 201710004336.9
- 9-
- 12- 7 October, 2022
- 13- MICROBICIDE PYRACLOSTROBIN DEGRADING STRAIN AND MICROBIAL
INOCULUM PRODUCED THEREFROM AND USE THEREOF
- 14- The present invention discloses a strain Burkholderia anthina BAO 1 capable of
degrading pyraclostrobin, a microbial inoculum produced therefrom and use
thereof. The strain Burkholderia anthina BAO 1 was deposited in the China
Center for Type Culture Collection on November 28, 2016, with a deposit
number of CCTCC NO: M 2016687. The strain can effectively degrade
pyraclostrobin in a short time, has significant a biodegradation effect, and can be
used to repair natural environment such as water and soil polluted by
pyraclostrobin. When applied directly, pyraclostrobin residue in water and soil
can be reduced by more than 80%, which can solve the problem of excessive
pyraclostrobin pesticide residue in agricultural production and environmental
pollution, and produce non-toxic and pollution-free green agricultural products,
which has important theoretical guidance and practical application value.

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16- C12N 1/20

- ១- KH/P/២០២១/០០០១១ CN
- ២- ខ
- ៣- ០០៣៤៤
- ៤- SHEN ZHEN POLYTECHNIC [CN]
- ៥- YI HAIBO [CN] and NIE ZHE [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២១/០០០១១ CN
- ៨- Receiving Date: ១០/០២/២០២១
CN Filing Date: ១៣/១០/២០១៦ CN Registration Number:
២០១៦១០៨៩៣៧០៦.៤
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- A COMPOSITE FINITE FIELD MULTIPLIER BASED ON THE CARDIAC MODEL
- ១២- The invention proposes a composite finite field multiplication device based on the cardiac model, which comprises: an input port, which is used to input the operands in the composite finite field, the reduced polynomials selected on the subfield of the composite finite field, the reduced polynomials selected on the composite finite field and the clock signal; a composite finite field multiplier, which is used to perform the multiplication of the operands on the composite finite field; a subfield multiplier and a subfield adder, which are called respectively by the composite finite field multiplier to perform the multiplication and addition of the operands on the subfield; a controller, the signal is connected to the input port and the composite finite field multiplier to control the composite finite field multiplier; and an output port, the signal is connected to the controller to output the operation result of the multiplication performed by the composite finite field multiplier. The invention adopts the method based on the cardiac model to perform the multiplication of the composite finite field, and has obvious speed advantages in the terms of multiplication on the composite finite field compared with the existing multipliers, and can be widely used in the fields of

mathematics and engineering.

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Drawings of Descriptions

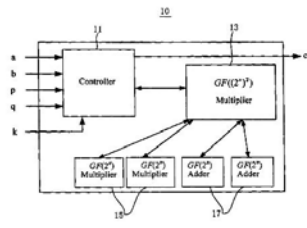


Figure 1

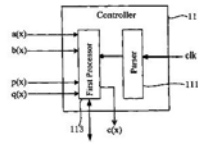


Figure 2

១៤- G06F 7/52

- 1- KH/P/2021/00011 CN
- 2- B
- 3- 00344
- 4- SHEN ZHEN POLYTECHNIC [CN]
- 5- YI HAIBO [CN] and NIE ZHE [CN]
- 6- Kimly IP Service
- 7- KH/P/2021/00011 CN
- 8- Receiving Date: 10/02/2021
CN Filing Date: 13/10/2016 CN Registration Number: 201610893706.4
- 9-
- 12- 7 October, 2022
- 13- A COMPOSITE FINITE FIELD MULTIPLIER BASED ON THE CARDIAC MODEL
- 14- The invention proposes a composite finite field multiplication device based on the cardiac model, which comprises: an input port, which is used to input the operands in the composite finite field, the reduced polynomials selected on the subfield of the composite finite field, the reduced polynomials selected on the composite finite field and the clock signal; a composite finite field multiplier, which is used to perform the multiplication of the operands on the composite finite field; a subfield multiplier and a subfield adder, which are called respectively by the composite finite field multiplier to perform the multiplication and addition of the operands on the subfield; a controller, the signal is connected to the input port and the composite finite field multiplier to control the composite finite field multiplier; and an output port, the signal is connected to the controller to output the operation result of the multiplication performed by the composite finite field multiplier. The invention adopts the method based on the cardiac model to perform the multiplication of the composite finite field, and has obvious speed advantages in the terms of multiplication on the composite finite field compared with the existing multipliers, and can be widely used in the fields of mathematics and engineering.

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Drawings of Descriptions

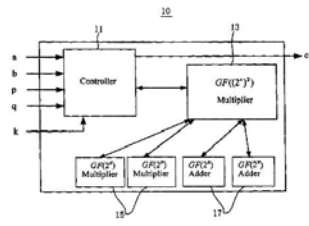


Figure 1

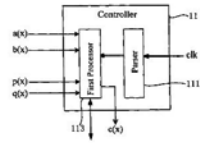


Figure 2

16- G06F 7/52

- ១- KH/P/២០២១/០០០១២ CN
- ២- ខ
- ៣- ០០៤៤១
- ៤- RESEARCH INSTITUTE OF RESOURCE INSECTS, CHINESE ACADEMY OF FORESTRY
[CN]
- ៥- WU, Jiangchong [CN]; PENG, Xingmin [CN]; ZHENG, Yixing [CN]; ZHANG, Yanping [CN]; SUN, Qitao [CN]; ZHANG, Tikun [CN] and LIU, Jianjin [CN]
- ៦- VNP LAW OFFICE
- ៧- KH/P/២០២១/០០០១២ CN
- ៨- Receiving Date: ២៣/០២/២០២១
CN Filing Date: ២៦/០៩/២០១៦ CN Registration Number:
២០១៦១០៨៤៩៩៧២.៧
- ៩-
- ១០- ថ្ងៃទី២៩ ខែកក្កដា ឆ្នាំ២០២៤
- ១១- PLANT-DERIVED PESTICIDE-CONTAINING ORGANIC FERTILIZER WITH EUCALYPTUS MATERIAL, NEEM SEED AND ROSEMARY LEAF AS RAW MATERIALS AND PREPARATION METHOD THEREOF
- ១២- The present disclosure belongs to the technical field of pesticide-containing bio-organic fertilizer and plant resource utilization, and relates to a plant-derived pesticide-containing organic fertilizer with eucalyptus material, neem seed and rosemary leaf as raw materials and a preparation method thereof The plant-derived pesticide-containing organic fertilizer is obtained by fermentation of eucalyptus material with Jssatchenkia stock solution, Bacillus subtilis stock solution and actinomycete stock solution, followed by addition of pulverized neem seed and dried rosemary leaf. Components are combined based on weight percentages as follows: 98.5-99.2% of fermented eucalyptus material, 0.3-0.5% of neem seed particle and 0.5-1% of rosemary leaf particle. The product of the present disclosure has simple formula, reasonable combination, and fertilization and insect repellent effects, with clear mechanisms of active ingredients and

convenient production. It solves the problem in connection with inhibitory effect of eucalyptus material on plant growth. Moreover, it contains organic matter and nutrient contents similar to those of peat soil. The present disclosure has practical significance and broad application prospects for protecting the environment and promoting development of organic agriculture.

១៣- None

១៤- C05G 3/00

- 1- KH/P/2021/00012 CN
- 2- B
- 3- 00441
- 4- RESEARCH INSTITUTE OF RESOURCE INSECTS, CHINESE ACADEMY OF FORESTRY
[CN]
- 5- WU, Jiangchong [CN]; PENG, Xingmin [CN]; ZHENG, Yixing [CN]; ZHANG, Yanping [CN]; SUN, Qitao [CN]; ZHANG, Tikun [CN] and LIU, Jianjin [CN]
- 6- VNP LAW OFFICE
- 7- KH/P/2021/00012 CN
- 8- Receiving Date: 23/02/2021
CN Filing Date: 26/09/2016 CN Registration Number: 201610849972.7
- 9-
- 12- 29 July, 2024
- 13- PLANT-DERIVED PESTICIDE-CONTAINING ORGANIC FERTILIZER WITH EUCALYPTUS MATERIAL, NEEM SEED AND ROSEMARY LEAF AS RAW MATERIALS AND PREPARATION METHOD THEREOF
- 14- The present disclosure belongs to the technical field of pesticide-containing bio-organic fertilizer and plant resource utilization, and relates to a plant-derived pesticide-containing organic fertilizer with eucalyptus material, neem seed and rosemary leaf as raw materials and a preparation method thereof The plant-derived pesticide-containing organic fertilizer is obtained by fermentation of eucalyptus material with Jssatchenkia stock solution, Bacillus subtilis stock solution and actinomycete stock solution, followed by addition of pulverized neem seed and dried rosemary leaf. Components are combined based on weight percentages as follows: 98.5-99.2% of fermented eucalyptus material, 0.3-0.5% of neem seed particle and 0.5-1% of rosemary leaf particle. The product of the present disclosure has simple formula, reasonable combination, and fertilization and insect repellent effects, with clear mechanisms of active ingredients and convenient production. It solves the problem in connection with inhibitory effect of eucalyptus material on plant growth. Moreover, it contains organic matter and

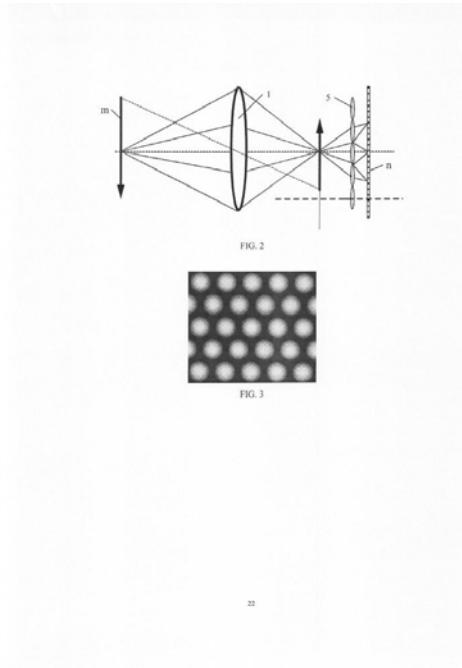
nutrient contents similar to those of peat soil. The present disclosure has practical significance and broad application prospects for protecting the environment and promoting development of organic agriculture.

15- None

16- C05G 3/00

- ១- KH/P/២០២១/០០០១៣ CN
- ២- ខ
- ៣- ០០៤៣០
- ៤- CAPITOL NORMAL UNIVERSITY [CN]
- ៥- DUAN, Fuzhou [CN]; SU, Wenbo [CN]; GUAN, Hongliang [CN]; XU, Lingfeng [CN]; GUO, Tian [CN]; MENG, Xiangci [CN] and YANG, Fan [CN]
- ៦- Rouse & Co (Cambodia) Co., Ltd
- ៧- KH/P/២០២១/០០០១៣ CN
- ៨- Receiving Date: ០៩/០៣/២០២១
CN Filing Date: ២៤/០២/២០១៨ CN Registration Number:
២០១៨១០១៥៦៧៧៩.៤
- ៩-
- ១០- ថ្ងៃទី១៦ ខែមករា ឆ្នាំ២០២៤
- ១១- METHOD AND SYSTEM FOR REGISTERING LIGHT FIELD IMAGES
- ១២- The present disclosure provides a method and system for registering light field images. The method includes: obtaining a left target light field image and a right target light field image; determining multiple rectangular detection regions of the left target light field image and multiple detection regions of the right target light field image; extracting a first feature point from each detection region of the left target light field image to constitute a first feature point set; extracting a second feature point from each detection region of the right target light field image to constitute a second feature point set; matching feature points in the first feature point set and the second feature point set by using a brute force algorithm, to obtain multiple matching point pairs; determining coordinates of feature points in each matching point pair; calculating a homography matrix based on the coordinates; and obtaining, based on the homography matrix, an image by registering the left target light field image and the right target light field image. The present disclosure can improve registration precision of two light field images with a relatively small overlapping region, and can also reduce consumed time.

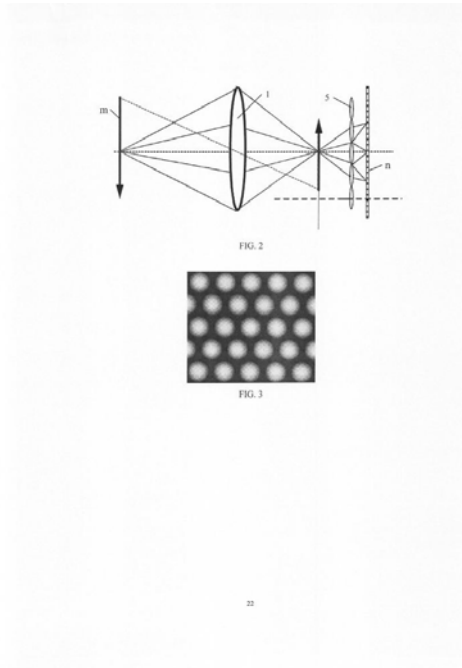
១៣-



១៤- G06T 7/33

- 1- KH/P/2021/00013 CN
- 2- B
- 3- 00430
- 4- CAPITOL NORMAL UNIVERSITY [CN]
- 5- DUAN, Fuzhou [CN]; SU, Wenbo [CN]; GUAN, Hongliang [CN]; XU, Lingfeng [CN]; GUO, Tian [CN]; MENG, Xiangci [CN] and YANG, Fan [CN]
- 6- Rouse & Co (Cambodia) Co., Ltd
- 7- KH/P/2021/00013 CN
- 8- Receiving Date: 09/03/2021
CN Filing Date: 24/02/2018 CN Registration Number: 201810156779.4
- 9-
- 12- 16 January, 2024
- 13- METHOD AND SYSTEM FOR REGISTERING LIGHT FIELD IMAGES
- 14- The present disclosure provides a method and system for registering light field images. The method includes: obtaining a left target light field image and a right target light field image; determining multiple rectangular detection regions of the left target light field image and multiple detection regions of the right target light field image; extracting a first feature point from each detection region of the left target light field image to constitute a first feature point set; extracting a second feature point from each detection region of the right target light field image to constitute a second feature point set; matching feature points in the first feature point set and the second feature point set by using a brute force algorithm, to obtain multiple matching point pairs; determining coordinates of feature points in each matching point pair; calculating a homography matrix based on the coordinates; and obtaining, based on the homography matrix, an image by registering the left target light field image and the right target light field image. The present disclosure can improve registration precision of two light field images with a relatively small overlapping region, and can also reduce consumed time.

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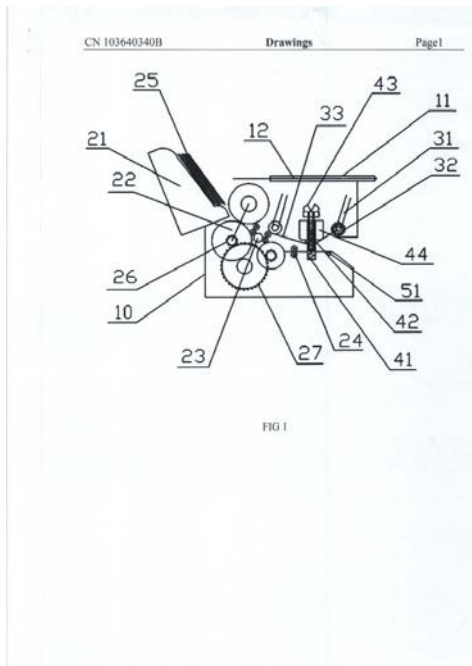


16- G06T 7/33

- ១- KH/P/២០២១/០០០១៤ CN
- ២- ខ
- ៣- ០០៣៨៦
- ៤- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- ៥- Tang Guochu [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០១៤ CN
- ៨- Receiving Date: ២៤/០៣/២០២១
CN Filing Date: ០៥/១២/២០១៣ CN Registration Number:
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- ៩-
- ១០- ថ្ងៃទី១ ខែមីនា ឆ្នាំ២០២៣
- ១១- A THERMAL TRANSFER PRINTER
- ១២- The present invention provides a thermal transfer printer, comprising: a main chassis, said main chassis is mounted by a glass board slot on the upper cover thereof, said glass board slot is mounted by a transparent glass slider board; a paper feed device, said paper feed device comprising a paper feed tray, a pressure roller, a delivery wheel and a paper conveyor; said paper feed tray is installed on the upper side of the main chassis, wherein adhesive tapes are mounted; said pressure roller is installed near said paper feed tray and is connected to the driving gear via the driving axle of the pressure roller; a ribbon operation device, said ribbon operation device comprising a ribbon slot, a ribbon stationary axle and a ribbon; said ribbon slot and ribbon are connected to said ribbon stationary axle; a printhead device, said printhead device comprising a printhead, said printhead is installed with a spring, a printhead regulating valve and a printhead housing; the present invention has such advantages as saving human resources, better protection for printheads, increasing the service life of printer, making it possible to conveniently and rapidly observe the specific printing processes inside the printer so as to identify problems in printing in a

timely manner

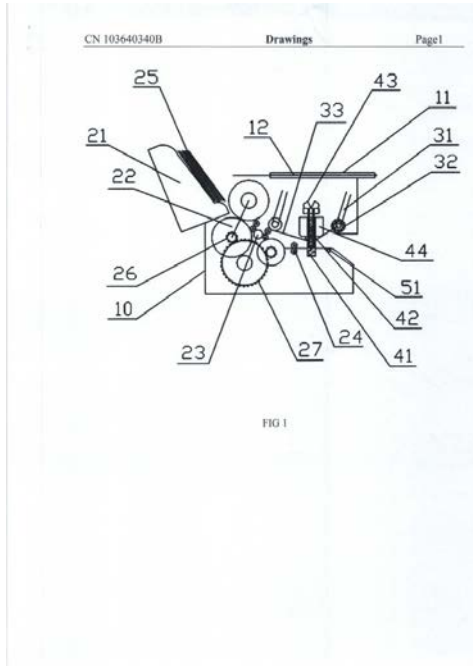
១៣-



១៤- B41J 2/315

- 1- KH/P/2021/00014 CN
- 2- B
- 3- 00386
- 4- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- 5- Tang Guochu [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00014 CN
- 8- Receiving Date: 24/03/2021
CN Filing Date: 05/12/2013 CN Registration Number: 201310648825.X
- 9-
- 12- 1 March, 2023
- 13- A THERMAL TRANSFER PRINTER
- 14- The present invention provides a thermal transfer printer, comprising: a main chassis, said main chassis is mounted by a glass board slot on the upper cover thereof, said glass board slot is mounted by a transparent glass slider board; a paper feed device, said paper feed device comprising a paper feed tray, a pressure roller, a delivery wheel and a paper conveyor; said paper feed tray is installed on the upper side of the main chassis, wherein adhesive tapes are mounted; said pressure roller is installed near said paper feed tray and is connected to the driving gear via the driving axle of the pressure roller; a ribbon operation device, said ribbon operation device comprising a ribbon slot, a ribbon stationary axle and a ribbon; said ribbon slot and ribbon are connected to said ribbon stationary axle; a printhead device, said printhead device comprising a printhead, said printhead is installed with a spring, a printhead regulating valve and a printhead housing; the present invention has such advantages as saving human resources, better protection for printheads, increasing the service life of printer, making it possible to conveniently and rapidly observe the specific printing processes inside the printer so as to identify problems in printing in a timely manner

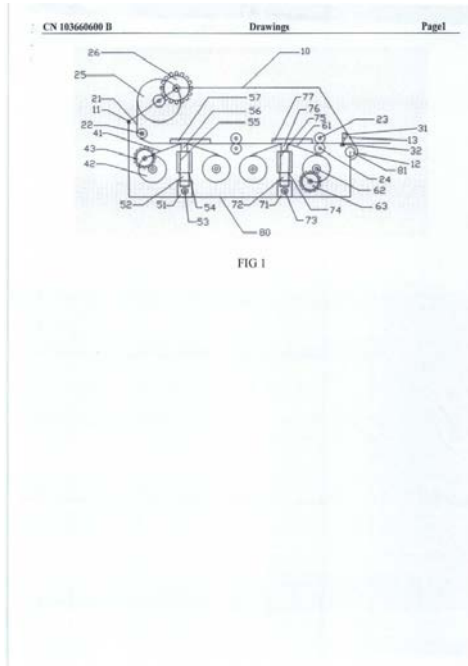
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16- B41J 2/315

- ១- KH/P/២០២១/០០០១៥ CN
- ២- ខ
- ៣- ០០៣៨៧
- ៤- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- ៥- Tang Guochu [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០១៥ CN
- ៨- Receiving Date: ២៤/០៣/២០២១
CN Filing Date: ០៥/១២/២០១៣ CN Registration Number:
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- ៩-
- ១០- ថ្ងៃទី១ ខែមីនា ឆ្នាំ២០២៣
- ១១- A THERMAL TRANSFER LABEL PRINTER
- ១២- The present invention provides a thermal transfer label printer, which comprises: an upper cover, said upper cover being equipped with a loose axle, a retention buckle and an adjustable axle; an adhesive tape operation device; an adhesive tape cutting device, said adhesive tape cutting device comprising a cutter and a cutter groove; the first ribbon operation device, said first ribbon operation device comprising the first ribbon, a driven axle of the first ribbon and a driving axle of the first ribbon; the first printhead device; the second ribbon operation device, said ribbon operation device comprising the second ribbon, a driven axle of the second ribbon and a second driving axle of ribbon; the second printhead device; a lower cover, said lower cover being equipped with a stationary axle; the present invention provides a thermal transfer label printer that saves the consumption of ribbon and printing time; increases the cooling space of ribbons; fulfills direct replacement of adhesive tapes without having to open the upper cover and one-off print of double or multiple colors; provides multiple printing modes and increases the number of print options available.

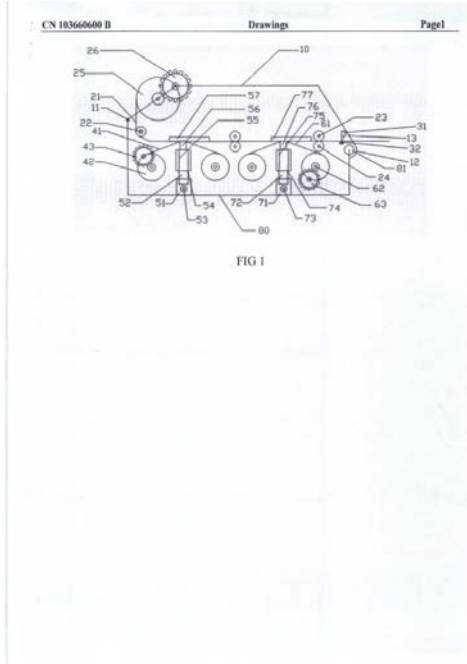
១៣-



១៤- B41J 2/315

- 1- KH/P/2021/00015 CN
- 2- B
- 3- 00387
- 4- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- 5- Tang Guochu [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00015 CN
- 8- Receiving Date: 24/03/2021
CN Filing Date: 05/12/2013 CN Registration Number: 201310648855.0
- 9-
- 12- 1 March, 2023
- 13- A THERMAL TRANSFER LABEL PRINTER
- 14- The present invention provides a thermal transfer label printer, which comprises: an upper cover, said upper cover being equipped with a loose axle, a retention buckle and an adjustable axle; an adhesive tape operation device; an adhesive tape cutting device, said adhesive tape cutting device comprising a cutter and a cutter groove; the first ribbon operation device, said first ribbon operation device comprising the first ribbon, a driven axle of the first ribbon and a driving axle of the first ribbon; the first printhead device; the second ribbon operation device, said ribbon operation device comprising the second ribbon, a driven axle of the second ribbon and a second driving axle of ribbon; the second printhead device; a lower cover, said lower cover being equipped with a stationary axle; the present invention provides a thermal transfer label printer that saves the consumption of ribbon and printing time; increases the cooling space of ribbons; fulfills direct replacement of adhesive tapes without having to open the upper cover and one-off print of double or multiple colors; provides multiple printing modes and increases the number of print options available.

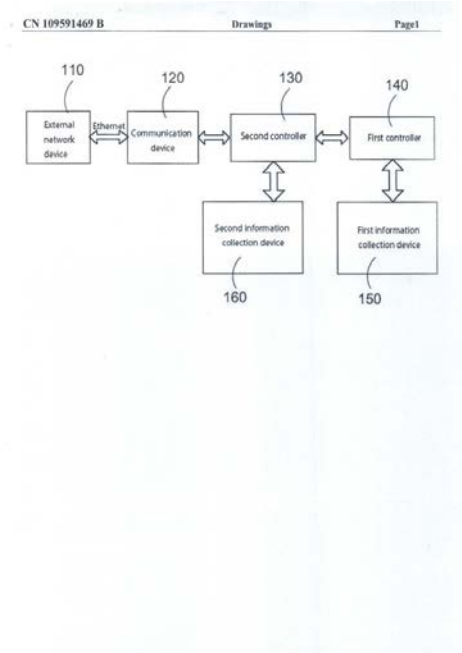
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16- B41J 2/315

- ១- KH/P/២០២១/០០០១៦ CN
- ២- ខ
- ៣- ០០៣៨៨
- ៤- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- ៥- Tang Guochu [CN]; Ni Jichao [CN]; Wang Donghai [CN] and Li Liuxiang [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០១៦ CN
- ៨- Receiving Date: ២៤/០៣/២០២១
CN Filing Date: ២៨/១២/២០១៨ CN Registration Number:
២០១៨១១៦២១៥០៩.២
- ៩-
- ១០- ថ្ងៃទី១ ខែមីនា ឆ្នាំ២០២៣
- ១១- A Control System for Thermal Transfer Printers and a Thermal Transfer Printer Thereof
- ១២- The present invention provides a control system for thermal transfer printers and a thermal transfer printer thereof. The control system comprises a communication device, a first information collection device and a first controller; the communication device is used to receive printing information; the first information collection device is used to collect working information of the thermal transfer printer, including pressure between printhead and paper to be printed; the first controller is electrically connected to the first information collection device and the communication device, respectively, and controls the printer operations based on printing and work information, wherein the first controller controls the printhead based on pressure in order for it to be equal to preset pressure; whereby in the printing process of the thermal transfer printer, the first controller controls the printhead in real-time based on the pressure between printhead and paper to be printed; the control system exerts closed-loop control over printhead to effectively improve printing quality.

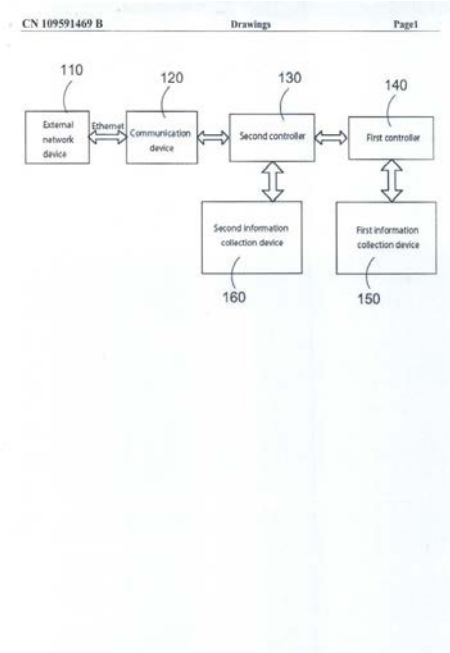
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១៤- B41J 29/393

- 1- KH/P/2021/00016 CN
- 2- B
- 3- 00388
- 4- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- 5- Tang Guochu [CN]; Ni Jichao [CN]; Wang Donghai [CN] and Li Liuxiang [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00016 CN
- 8- Receiving Date: 24/03/2021
CN Filing Date: 28/12/2018 CN Registration Number: 201811621509.2
- 9-
- 12- 1 March, 2023
- 13- A Control System for Thermal Transfer Printers and a Thermal Transfer Printer Thereof
- 14- The present invention provides a control system for thermal transfer printers and a thermal transfer printer thereof. The control system comprises a communication device, a first information collection device and a first controller; the communication device is used to receive printing information; the first information collection device is used to collect working information of the thermal transfer printer, including pressure between printhead and paper to be printed; the first controller is electrically connected to the first information collection device and the communication device, respectively, and controls the printer operations based on printing and work information, wherein the first controller controls the printhead based on pressure in order for it to be equal to preset pressure; whereby in the printing process of the thermal transfer printer, the first controller controls the printhead in real-time based on the pressure between printhead and paper to be printed; the control system exerts closed-loop control over printhead to effectively improve printing quality.

15-

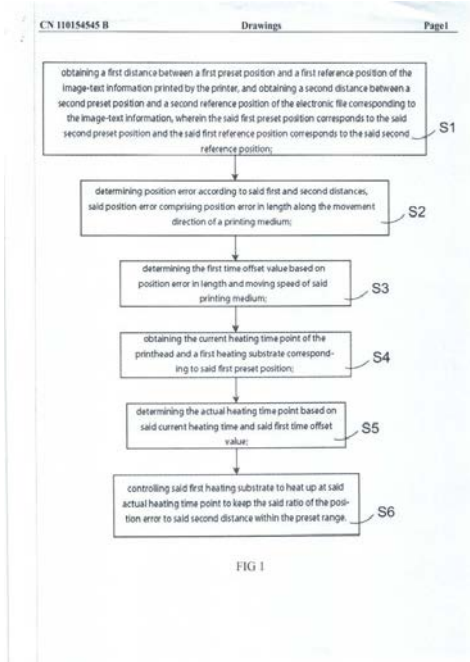


16- B41J 29/393

- ១- KH/P/២០២១/០០០១៧ CN
- ២- ខ
- ៣- ០០៣៨៩
- ៤- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- ៥- Li Liuxiang [CN]; Qiao Mingfa [CN]; Tang Guochu [CN] and Ni Jichao [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០១៧ CN
- ៨- Receiving Date: ២៤/០៣/២០២១
CN Filing Date: ០៦/០៥/២០១៩ CN Registration Number:
២០១៩១០៣៧២៤៩១.៥
- ៩-
- ១០- ថ្ងៃទី១ ខែមីនា ឆ្នាំ២០២៣
- ១១- An Error Correction Method for Thermal Transfer Printers and a Thermal Transfer Printer Thereof
- ១២- The present invention provides an error correction method for thermal transfer printers and a thermal transfer printer thereof. The method comprises: obtaining a first distance between a first preset position and a first reference position of image-text information, and obtaining a second distance between a second preset position and a second reference position of an electronic file, and determining the position error between the first distance and the second distance on the basis of the first distance and the second distance, position error comprising position error in length along the movement direction of a printing medium, and determining a first time offset value on the basis of the position error in length and the moving speed of a printing medium, and obtaining the current heating time point of printhead and a first heating substrate corresponding to the first preset position, and determining the actual heating time point on the basis of the current heating time point and the first time offset value, and controlling that the first heating substrate heats up at the actual heating time

point to keep the ratio of position error and the second distance within the preset range, whereby the printing precision of the printer is increased by keeping the ratio of the position error to the second distance of image-text information within the preset range.

១៣-

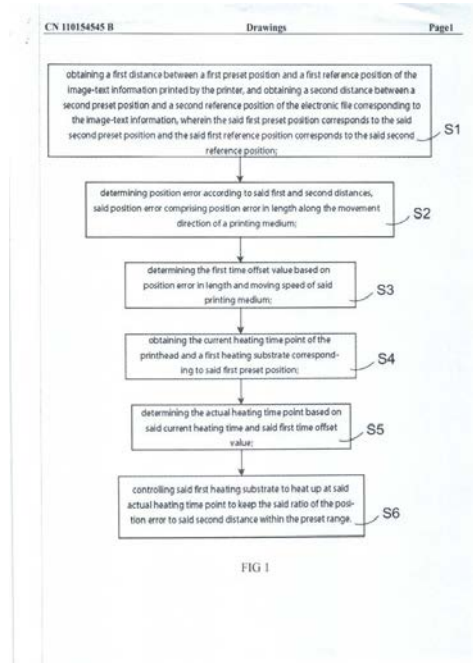


១៤- B41J 2/315

- 1- KH/P/2021/00017 CN
- 2- B
- 3- 00389
- 4- HUNAN DINGYI ZHIYUAN SCIENCE & TECHNOLOGY DEVELOPMENT CO., LTD
[CN]
- 5- Li Liuxiang [CN]; Qiao Mingfa [CN]; Tang Guochu [CN] and Ni Jichao [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00017 CN
- 8- Receiving Date: 24/03/2021
CN Filing Date: 06/05/2019 CN Registration Number: 201910372491.5
- 9-
- 12- 1 March, 2023
- 13- An Error Correction Method for Thermal Transfer Printers and a Thermal Transfer Printer Thereof
- 14- The present invention provides an error correction method for thermal transfer printers and a thermal transfer printer thereof. The method comprises: obtaining a first distance between a first preset position and a first reference position of image-text information, and obtaining a second distance between a second preset position and a second reference position of an electronic file, and determining the position error between the first distance and the second distance on the basis of the first distance and the second distance, position error comprising position error in length along the movement direction of a printing medium, and determining a first time offset value on the basis of the position error in length and the moving speed of a printing medium, and obtaining the current heating time point of printhead and a first heating substrate corresponding to the first preset position, and determining the actual heating time point on the basis of the current heating time point and the first time offset value, and controlling that the first heating substrate heats up at the actual heating time point to keep the ratio of position error and the second distance within the preset

range, whereby the printing precision of the printer is increased by keeping the ratio of the position error to the second distance of image-text information within the preset range.

15-



16- B41J 2/315

- ១- KH/P/២០២១/០០០១៩ CN
- ២- ខ
- ៣- ០០៣៤៥
- ៤- GUANGXI SUBTROPICAL AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE
[CN]; GUANGXI SUBTROPICAL CROPS RESEARCH INSTITUTE [CN] and GUANGXI GUOJINGYUAN FOOD CO., LTD [CN]
- ៥- Feng Chunmei [CN]; Li Jianqiang [CN]; Li Xinrong [CN]; LuNing [CN]; Wen Lixiang [CN]; Ai Jingwen [CN]; Ren Erfang [CN] and Huang Shouhui [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២១/០០០១៩ CN
- ៨- Receiving Date: ២៨/០៤/២០២១
CN Filing Date: ២៨/០៣/២០១៦ CN Registration Number: ២០១៦១០១៨១៣៦១.X
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- A METHOD OF PROCESSING FOR SULFUR-FREE DRIED JACKFRUIT WITH ORIGINAL FLAVOR AND COLOR
- ១២- The invention discloses a method of processing of sulfur-free dried jackfruit with original color and flavor, which belongs to the technical field of fruit deep processing. The method of the invention includes the following steps in sequence: (1) Combined treatment of 80%-90% mature fresh jackfruit slices by sterilization, enzyme deactivation and color protection (2) Adopt intermittent forced circulation of sulfur-free saccharification with sugar solution at room temperature for 24 hours (3) Adopt the intermittent softening and temperature-changing drying method to pre-dry the material and then mix with acid, so that the material contains a certain amount of sour agent. The dried jackfruit processed by the method of the invention has the original flavor and color of jackfruit, the moderate sour and sweet taste, and does not contain preservatives. The method of the invention solves the problems such as difficulty

in presentation and retention of the unique flavor of jackfruit in processing, the need for sulfur dioxide to protect the color, and the quality problem caused by high proportion of reducing sugar in the preserved fruit processing due to repeated use of sugar water, which can provide new technical methods for jackfruit processing

១៣- None

១៤- A23G 3/00

- 1- KH/P/2021/00019 CN
- 2- B
- 3- 00345
- 4- GUANGXI SUBTROPICAL AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE
[CN]; GUANGXI SUBTROPICAL CROPS RESEARCH INSTITUTE [CN] and GUANGXI GUOJINGYUAN FOOD CO., LTD [CN]
- 5- Feng Chunmei [CN]; Li Jianqiang [CN]; Li Xinrong [CN]; LuNing [CN]; Wen Lixiang [CN]; Ai Jingwen [CN]; Ren Erfang [CN] and Huang Shouhui [CN]
- 6- Kimly IP Service
- 7- KH/P/2021/00019 CN
- 8- Receiving Date: 28/04/2021
CN Filing Date: 28/03/2016 CN Registration Number: 201610181361.X
- 9-
- 12- 7 October, 2022
- 13- A METHOD OF PROCESSING FOR SULFUR-FREE DRIED JACKFRUIT WITH ORIGINAL FLAVOR AND COLOR
- 14- The invention discloses a method of processing of sulfur-free dried jackfruit with original color and flavor, which belongs to the technical field of fruit deep processing. The method of the invention includes the following steps in sequence: (1) Combined treatment of 80%-90% mature fresh jackfruit slices by sterilization, enzyme deactivation and color protection (2) Adopt intermittent forced circulation of sulfur-free saccharification with sugar solution at room temperature for 24 hours (3) Adopt the intermittent softening and temperature-changing drying method to pre-dry the material and then mix with acid, so that the material contains a certain amount of sour agent. The dried jackfruit processed by the method of the invention has the original flavor and color of jackfruit, the moderate sour and sweet taste, and does not contain preservatives. The method of the invention solves the problems such as difficulty in presentation and retention of the unique flavor of jackfruit in processing, the need for sulfur dioxide to protect the color, and the quality problem caused by high

proportion of reducing sugar in the preserved fruit processing due to repeated use of sugar water, which can provide new technical methods for jackfruit processing

- 15- None
 - 16- A23G 3/00
-

- ១- KH/P/២០២១/០០០២០ CN
- ២- ខ
- ៣- ០០៤១៥
- ៤- Guangdong Gobao Intelligent Technology Co.,Ltd. [CN]
- ៥- Chen,Qingfu [CN]; Zhou,Leshuan [CN]; Jian,Ruiqian [CN] and Yu,Xiaobo [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០២០ CN
- ៨- Receiving Date: ១៧/០៥/២០២១
CN Filing Date: ២៧/០៤/២០២០ CN Registration Number:
២០២០១០៣៤៥៩១២.៨
- ៩- ថ្ងៃទី៦ ខែកញ្ញា ឆ្នាំ២០២៣
- ១០- ថ្ងៃទី៦ ខែកញ្ញា ឆ្នាំ២០២៣
- ១១- Method for Energy Recovery of Electric Vehicle
- ១២- A method for energy recovery of an electric vehicle is provided, including the following steps: 81, obtaining a handle opening L and a rotation speed n of a motor by sampling, and determining the handle opening L ; 82, calculating a 5 current handle target torque $T_{\bullet\bullet}$ by a handle-torque control algorithm according to the handle opening L ; 83, calculating a current target braking torque T by a speed-torque control algorithm according to the rotation speed n of the motor; and 84, controlling the motor torque to change from a current value to a target value according to the current target braking torque T , to complete an energy 10 recovery operation.

១៣-

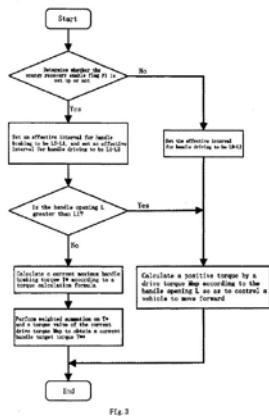
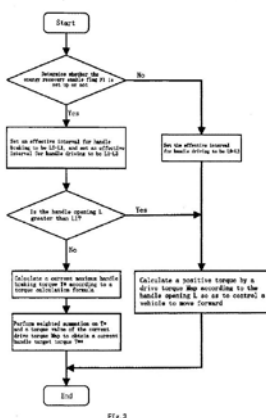


Fig. 3

១៤- B62M 6/45

- 1- KH/P/2021/00020 CN
- 2- B
- 3- 00415
- 4- Guangdong Gobao Intelligent Technology Co.,Ltd. [CN]
- 5- Chen,Qingfu [CN]; Zhou,Leshuan [CN]; Jian,Ruiqian [CN] and Yu,Xiaobo [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00020 CN
- 8- Receiving Date: 17/05/2021
CN Filing Date: 27/04/2020 CN Registration Number: 202010345912.8
- 9-
- 12- 6 September, 2023
- 13- Method for Energy Recovery of Electric Vehicle
- 14- A method for energy recovery of an electric vehicle is provided, including the following steps: 81, obtaining a handle opening L and a rotation speed n of a motor by sampling, and determining the handle opening L ; 82, calculating a current handle target torque $T_{\bullet\bullet}$ by a handle-torque control algorithm according to the handle opening L ; 83, calculating a current target braking torque T by a speed-torque control algorithm according to the rotation speed n of the motor; and 84, controlling the motor torque to change from a current value to a target value according to the current target braking torque T , to complete an energy 10 recovery operation.

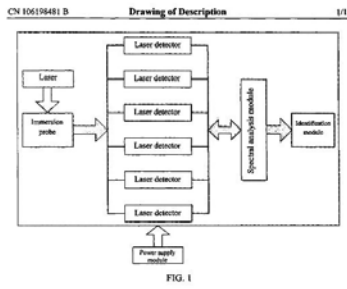
15-



16- B62M 6/45

- ១- KH/P/២០២១/០០០២២ CN
- ២- ខ
- ៣- ០០៤២៨
- ៤- Anhui University of Science and Technology [CN]
- ៥- Feng HU [CN]; Mengran ZHOU [CN]; Pengcheng VAN [CN] and Bei II [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០២២ CN
- ៨- Receiving Date: ២៦/០៥/២០២១
CN Filing Date: ២៩/០៩/២០១៦ CN Registration Number: ២០១៦១០៨៦៤៩៩២.១
- ៩-
- ១០- ថ្ងៃទី២៨ ខែធ្នូ ឆ្នាំ២០២៣
- ១១- Fake Liquor Identification Device and Method Based on LIF Technology and Naive Bayesian Classification
- ១២- The present invention discloses a fake liquor identification device based on LIF technology and Naive Bayesian classification, comprising a power supply module, and a laser, an immersion probe, laser detectors, a spectral analysis module and an identification module which are connected in sequence, wherein the laser detectors comprise six parallel laser detectors. The present invention also discloses a fake liquor identification method: the laser penetrates tested liquor with laser light, the tested liquor fluoresces under stimulated radiation, and the immersion probe receives fluorescence signals in real time and transmits the signals to the laser detectors; the six parallel laser detectors simultaneously and respectively read fluorescence signals of each set band; the spectral analysis module integrates the data of each fluorescence signal and then outputs one channel of fluorescence spectral data of a complete band; and according to the fluorescence spectral data of the tested liquor and the known PCA models of liquor samples containing methanol of different concentrations, the identification module judges whether the tested liquor is fake liquor and the methanol concentration based on the Naive Bayesian classification algorithm, thereby realizing rapid identification of fake liquor.

១៣-

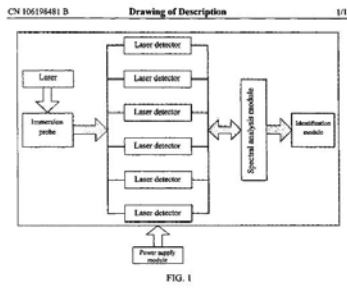


1

១៤- G01N 21/64

- 1- KH/P/2021/00022 CN
- 2- B
- 3- 00428
- 4- Anhui University of Science and Technology [CN]
- 5- Feng HU [CN]; Mengran ZHOU [CN]; Pengcheng VAN [CN] and Bei II [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00022 CN
- 8- Receiving Date: 26/05/2021
CN Filing Date: 29/09/2016 CN Registration Number: 201610864992.1
- 9-
- 12- 28 December, 2023
- 13- Fake Liquor Identification Device and Method Based on LIF Technology and Naive Bayesian Classification
- 14- The present invention discloses a fake liquor identification device based on LIF technology and Naive Bayesian classification, comprising a power supply module, and a laser, an immersion probe, laser detectors, a spectral analysis module and an identification module which are connected in sequence, wherein the laser detectors comprise six parallel laser detectors. The present invention also discloses a fake liquor identification method: the laser penetrates tested liquor with laser light, the tested liquor fluoresces under stimulated radiation, and the immersion probe receives fluorescence signals in real time and transmits the signals to the laser detectors; the six parallel laser detectors simultaneously and respectively read fluorescence signals of each set band; the spectral analysis module integrates the data of each fluorescence signal and then outputs one channel of fluorescence spectral data of a complete band; and according to the fluorescence spectral data of the tested liquor and the known PCA models of liquor samples containing methanol of different concentrations, the identification module judges whether the tested liquor is fake liquor and the methanol concentration based on the Naive Bayesian classification algorithm, thereby realizing rapid identification of fake liquor.

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16- G01N 21/64

១- KH/P/២០២១/០០០២៦ CN

២- ខ

៣- ០០៤៣៥

៤- 1 Space Pty ltd [AU]

៥- UNGER SUSAN LOUISE [AU]

៦- Rouse & Co (Cambodia) Co., Ltd

៧- KH/P/២០២១/០០០២៦ CN

៨- Receiving Date: ១១/០៦/២០២១

CN Filing Date: ១១/០៧/២០១៣ CN Registration Number:

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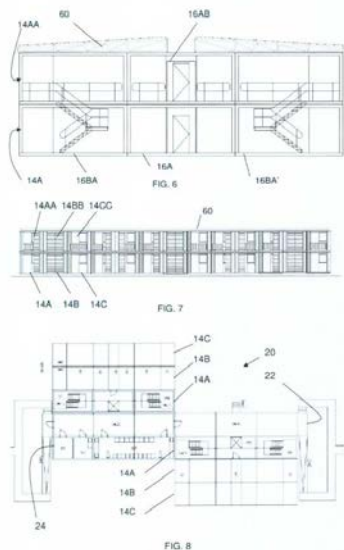
៩-

១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៤

១១- BUILDING FORMING METHOD AND BUILDING

១២- The present disclosure provides a building structure constituted by one or more elongate clusters. Each cluster includes a plurality of side-by-side module banks, and each module bank is constituted by end-to-end modular building units.

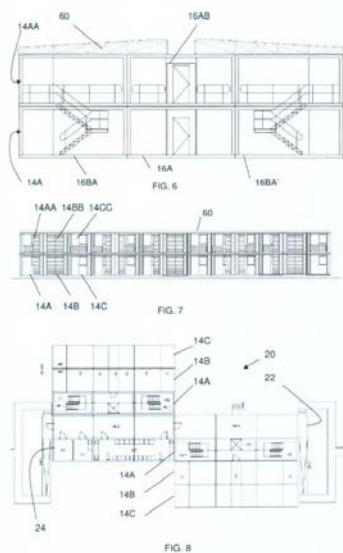
១៣-



១៤- E04B 1/343

- 1- KH/P/2021/00026 CN
- 2- B
- 3- 00435
- 4- 1 Space Pty ltd [AU]
- 5- UNGER SUSAN LOUISE [AU]
- 6- Rouse & Co (Cambodia) Co., Ltd
- 7- KH/P/2021/00026 CN
- 8- Receiving Date: 11/06/2021
CN Filing Date: 11/07/2013 CN Registration Number: 201811483206.9
- 9-
- 12- 7 June, 2024
- 13- BUILDING FORMING METHOD AND BUILDING
- 14- The present disclosure provides a building structure constituted by one or more elongate clusters. Each cluster includes a plurality of side-by-side module banks, and each module bank is constituted by end-to-end modular building units.

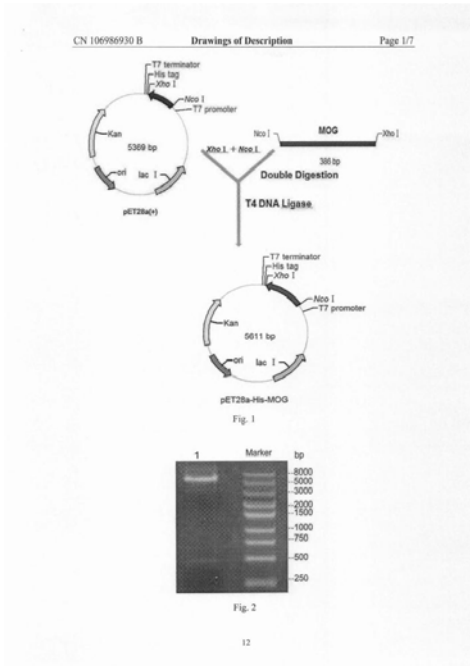
15-



16- E04B 1/343

- ១- KH/P/២០២១/០០០២៩ CN
- ២- ខ
- ៣- ០០៤២៩
- ៤- Institute of Zoology, Guangdong Academy of Sciences [CN]
- ៥- Yunxiao Sun [CN]; Zhen Peng [CN]; Libiao Zhang [CN]; Jie Wu [CN]; Xiangyang He [CN] and Xingwen Peng [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០២៩ CN
- ៨- Receiving Date: ០៣/០៨/២០២១
CN Filing Date: ១៤/០៤/២០១៧ CN Registration Number:
២០១៧១០២៤៧២៨១.៤
- ៩-
- ១០- ថ្ងៃទី២៨ ខែធ្នូ ឆ្នាំ២០២៣
- ១១- PROTEIN FOR INDUCING MACACA FASCICULARIS EXPERIMENTAL
AUTOIMMUNE ENCEPHALOMYELITIS ANIMAL MODEL AND APPLICATION
THEREOF
- ១២- The present invention discloses a protein for inducing a macaca fascicularis experimental autoimmune encephalomyelitis animal model and an application thereof. An amino acid sequence of an rhMOGJo-Js4 protein is shown as SEQ ID N0.1. The present invention innovatively uses a method for subcutaneous multipoint immunization of a human MOG extracellular antigen structural domain recombinant human MOGJO-JS4 (hereafter referred to as rhM0GJO-ls4) protein to establish a relapsing-remitting type macaca fascicularis EAE animal model (a macaca fascicularis experimental autoimmune encephalomyelitis model) which is more similar to human pathological characteristics

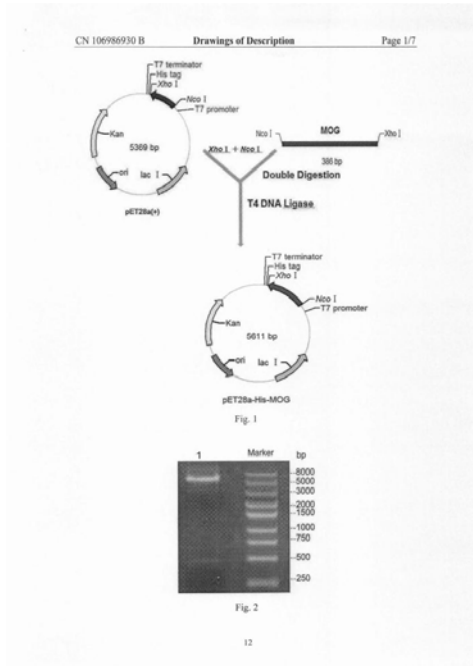
១៣-



១៤- C07K 14/705

- 1- KH/P/2021/00029 CN
- 2- B
- 3- 00445
- 4- Institute of Zoology, Guangdong Academy of Sciences [CN]
- 5- Yunxiao Sun [CN]; Zhen Peng [CN]; Libiao Zhang [CN]; Jie Wu [CN]; Xiangyang He [CN] and Xingwen Peng [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00029 CN
- 8- Receiving Date: 03/08/2021
CN Filing Date: 14/04/2017 CN Registration Number: 201710247281.4
- 9-
- 12- 28 December, 2023
- 13- PROTEIN FOR INDUCING MACACA FASCICULARIS EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS ANIMAL MODEL AND APPLICATION THEREOF
- 14- The present invention discloses a protein for inducing a macaca fascicularis experimental autoimmune encephalomyelitis animal model and an application thereof. An amino acid sequence of an rhMOGJo-Js4 protein is shown as SEQ ID NO.1. The present invention innovatively uses a method for subcutaneous multipoint immunization of a human MOG extracellular antigen structural domain recombinant human MOGJO-JS4 (hereafter referred to as rhM0GJO-ls4) protein to establish a relapsing-remitting type macaca fascicularis EAE animal model (a macaca fascicularis experimental autoimmune encephalomyelitis model) which is more similar to human pathological characteristics

15-



16- C07K 14/705

- ១- KH/P/២០២១/០០០៣០ CN
- ២- ខ
- ៣- ០០៤៤៥
- ៤- China Railway Beijing Engineering Group Co. Ltd [CN] and China Railway Beijing Engineering Group Co. Ltd. Beijing [CN]
- ៥- LIU, Lixin [CN]; HUO, Jianli [CN]; YU, Maodong [CN]; YUAN, Wei [CN]; JIA, Lei [CN]; CUI, Zhaofeng [CN]; LIU, Ming [CN]; MA, Jianlou [CN]; ZHANG, Chunyu [CN]; YANG, Shenghua [CN] and ZHANG, He [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០៣០ CN
- ៨- Receiving Date: ២៦/០៨/២០២១
CN Filing Date: ០១/០៤/២០១៩ CN Registration Number: ២០១៩១០២៥៥៥១១.០
- ៩-
- ១០- ថ្ងៃទី១២ ខែធ្នូ ឆ្នាំ២០២២
- ១១- CONSTRUCTION DEVICE AND CONSTRUCTION METHOD FOR IRREGULARLY WIDENED ARCHED CROSS-SECTIONAL TUNNEL
- ១២- In the construction device and construction method for an irregularly widened arched cross-sectional tunnel. The construction device includes a support system and a panel system 5 which is arranged on the support system with a vertical side surface in a smooth arc. The longitudinal plane of the support system is arranged with a vertical timber 1-beam support base, and the lower end of the support system is arranged with a universal wheel. A small unit combination method is adopted in the construction method, and the left sidewall and the right sidewall form a system respectively. The following steps are included: dividing a tunnel into a 10 plurality of sidewall construction intervals according to a widened section, plane curve conditions, and a channel length; binding sidewall reinforcing steel bars of the irregular sections in different construction intervals; assembling independent support frames; assembling transverse panel system and longitudinal panel system; shoring according to the lengths of the irregularly widened sections of each construction interval to form a

support system; concreting 15 the sidewall of the construction interval and performing maintenance; and moving the support system and the panel system to the next construction interval through a universal wheel. The invention is convenient to move and suitable for sidewall construction in an irregularly widened arched cross-sectional tunnel.

១៣-

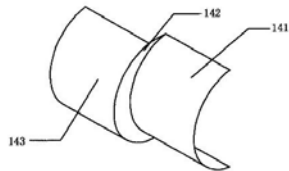
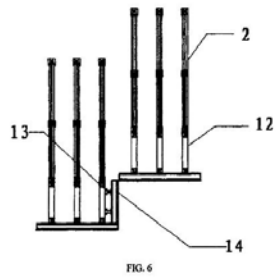


FIG. 7

22

១៤- E21D 11/10

- 1- KH/P/2021/00030 CN
- 2- B
- 3- 00445
- 4- China Railway Beijing Engineering Group Co. Ltd [CN] and China Railway Beijing Engineering Group Co. Ltd. Beijing [CN]
- 5- LIU, Lixin [CN]; HUO, Jianli [CN]; YU, Maodong [CN]; YUAN, Wei [CN]; JIA, Lei [CN]; CUI, Zhaofeng [CN]; LIU, Ming [CN]; MA, Jianlou [CN]; ZHANG, Chunyu [CN]; YANG, Shenghua [CN] and ZHANG, He [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00030 CN
- 8- Receiving Date: 26/08/2021
CN Filing Date: 01/04/2019 CN Registration Number: 201910255511.0
- 9-
- 12- 12 December, 2022
- 13- CONSTRUCTION DEVICE AND CONSTRUCTION METHOD FOR IRREGULARLY WIDENED ARCHED CROSS-SECTIONAL TUNNEL
- 14- In the construction device and construction method for an irregularly widened arched cross-sectional tunnel. The construction device includes a support system and a panel system 5 which is arranged on the support system with a vertical side surface in a smooth arc. The longitudinal plane of the support system is arranged with a vertical timber 1-beam support base, and the lower end of the support system is arranged with a universal wheel. A small unit combination method is adopted in the construction method, and the left sidewall and the right sidewall form a system respectively. The following steps are included: dividing a tunnel into a 10 plurality of sidewall construction intervals according to a widened section, plane curve conditions, and a channel length; binding sidewall reinforcing steel bars of the irregular sections in different construction intervals; assembling independent support frames; assembling transverse panel system and longitudinal panel system; shoring according to the lengths of the irregularly widened sections of each construction interval to form a support system; concreting 15 the sidewall of the construction interval and

performing maintenance; and moving the support system and the panel system to the next construction interval through a universal wheel. The invention is convenient to move and suitable for sidewall construction in an irregularly widened arched cross-sectional tunnel.

15-

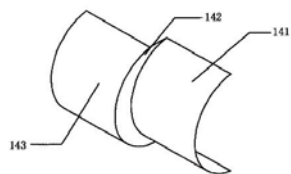
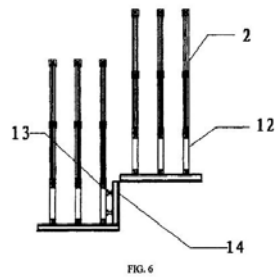


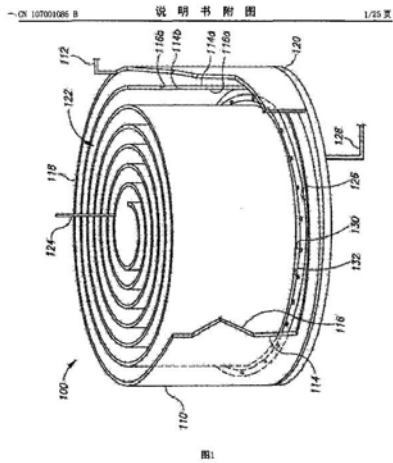
FIG. 7

22

16- E21D 11/10

- ១- KH/P/២០២១/០០០៣១ CN
- ២- ខ
- ៣- ០០៤១២
- ៤- Fluence Water Products and Innovation Ltd. [IL]
- ៥- SHECHTER RONEN-ITZHAK [IL]; LEVY EYTAN BARUCH [IL]; ESHED LIOR [IL]; BAR-TAL YARON [IL]; SPECTOR TOMER [IL] and SIEGEL NOAM MORDECHAI [IL]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០៣១ CN
- ៨- Receiving Date: ០២/០៩/២០២១
CN Filing Date: ០៨/០៩/២០១៥ CN Registration Number: ២០១៥៨០០៦០២៩០.១
- ៩-
- ១០- ថ្ងៃទី៩ ខែសីហា ឆ្នាំ២០២៣
- ១១- MODULE, REACTOR, SYSTEM AND METHOD FOR TREATING WATER
- ១២- The present disclosure provides a water treatment module, a bioreactor comprising one or more of such modules and a receptive water treatment system. Also provided herein is a method making use of the above module, bioreactor and system. The water treatment module comprises (i) at least one elongated gas enclosure comprising a gas inlet and two vertical walls, at least one vertical wall comprising a water-impermeable and gas-permeable membrane having a water-facing side and a gas-facing side, the two vertical walls separating between water external to said enclosure and gas within said enclosure, the gas enclosure being in a rolled or folded configuration to thereby define a convoluted horizontal path and one or more watertreatment spaces formed between opposite water facing sides of the enclosure; and (ii) a diffuser arrangement comprising gas diffusers configured for introducing a stream of gas into the one or more water treatment spaces.

១៣-



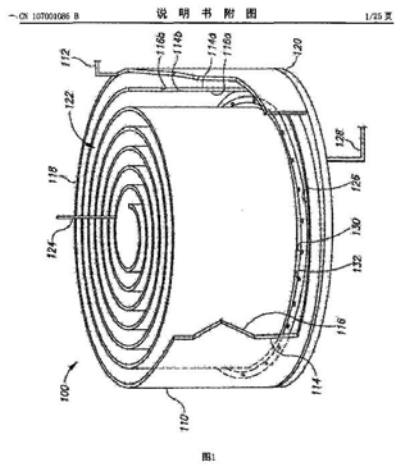
27



១៤- C02F 3/10

- 1- KH/P/2021/00031 CN
- 2- B
- 3- 00446
- 4- Fluence Water Products and Innovation Ltd. [IL]
- 5- SHECHTER RONEN-ITZHAK [IL]; LEVY EYTAN BARUCH [IL]; ESHED LIOR [IL]; BAR-TAL YARON [IL]; SPECTOR TOMER [IL] and SIEGEL NOAM MORDECHAI [IL]
- 6- ABACUS IP
- 7- KH/P/2021/00031 CN
- 8- Receiving Date: 02/09/2021
CN Filing Date: 08/09/2015 CN Registration Number: 201580060290.1
- 9-
- 12- 9 August, 2023
- 13- MODULE, REACTOR, SYSTEM AND METHOD FOR TREATING WATER
- 14- The present disclosure provides a water treatment module, a bioreactor comprising one or more of such modules and a receptive water treatment system. Also provided herein is a method making use of the above module, bioreactor and system. The water treatment module comprises (i) at least one elongated gas enclosure comprising a gas inlet and two vertical walls, at least one vertical wall comprising a water-impermeable and gas-permeable membrane having a water-facing side and a gas-facing side, the two vertical walls separating between water external to said enclosure and gas within said enclosure, the gas enclosure being in a rolled or folded configuration to thereby define a convoluted horizontal path and one or more watertreatment spaces formed between opposite water facing sides of the enclosure; and (ii) a diffuser arrangement comprising gas diffusers configured for introducing a stream of gas into the one or more water treatment spaces.

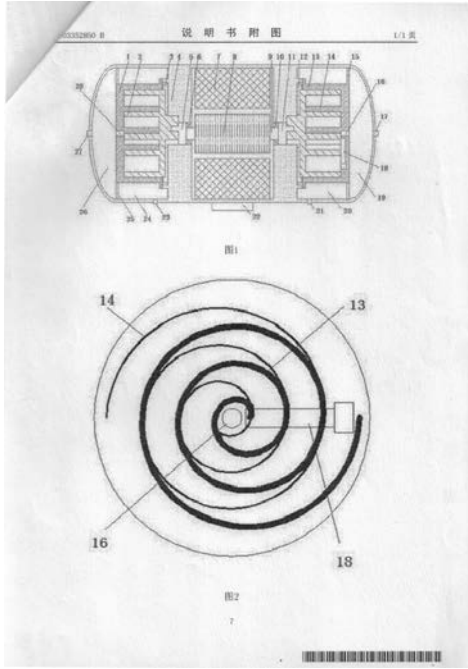
15-



16- C02F 3/10

- ១- KH/P/២០២១/០០០៣៤ CN
- ២- ខ
- ៣- ០០៣៥៩
- ៤- ZHEJIANG UNIVERSITY [CN]
- ៥- XiongShusheng [CN]; Wang Yinghui [CN]; Li Wei [CN]; Tang Yitian [CN]; Xie Lian [CN]; Hu Binpeng [CN] and Dai Mingxin [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០៣៤ CN
- ៨- Receiving Date: ១៦/០៩/២០២១
CN Filing Date: ០១/០៧/២០១៣ CN Registration Number:
២០១៣១០២៧០៥៤៩.២
- ៩-
- ១០- ថ្ងៃទី១២ ខែធ្នូ ឆ្នាំ២០២២
- ១១- VACUUM-COMPRESSOR MACHINE FOR ELECTRIC VEHICLES
- ១២- This invention relates to the field of electric vehicles, specifically relates to a kind of Vacuum-compression machine for vehicles, which includes the body supporting the entire device and the motor generating and transmitting rotation. One end of the machine body is provided with an interlocking fixed turbine I and a movable turbine I for generating a vacuum. The other end is provided with an interlocking fixed turbine II and a movable turbine II for compression. The fixed turbine I works together with the movable turbine I to generate a vacuum, and the fixed turbine II works together with the movable turbine II to compress the refrigerant. In order to realize using only one electric compressor for air-conditioning refrigeration and vacuum boost in the meantime, we Integrate electric compressor and electric vacuum pump into one device, which makes the system less complicated and more reliable. This design undermines the noise level and reduces the layout space which contributes to the weight reduction of the entire vehicle. Using the electromagnetic pressure relief valve to control the load of the compressor to achieve the purpose of saving energy is greatly beneficial to the improvement of the range of electric vehicles

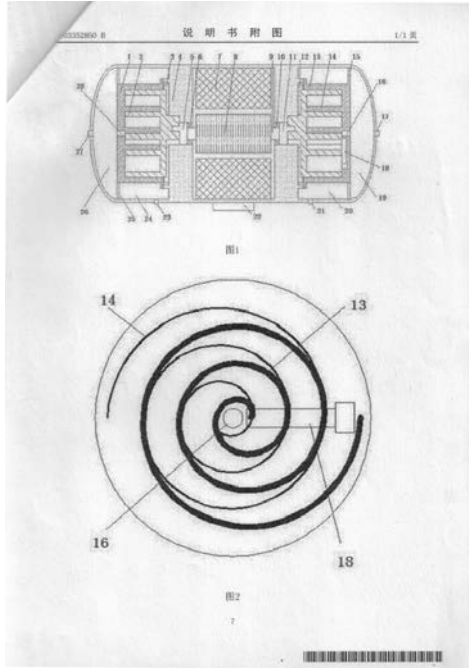
១៣-



១៤- F04C 23/00

- 1- KH/P/2021/00034 CN
- 2- B
- 3- 00446
- 4- ZHEJIANG UNIVERSITY [CN]
- 5- XiongShusheng [CN]; Wang Yinghui [CN]; Li Wei [CN]; Tang Yitian [CN]; Xie Lian [CN]; Hu Binpeng [CN] and Dai Mingxin [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00034 CN
- 8- Receiving Date: 16/09/2021
CN Filing Date: 01/07/2013 CN Registration Number: 201310270589.2
- 9-
- 12- 12 December, 2022
- 13- VACUUM-COMPRESSOR MACHINE FOR ELECTRIC VEHICLES
- 14- This invention relates to the field of electric vehicles, specifically relates to a kind of Vacuum-compression machine for vehicles, which includes the body supporting the entire device and the motor generating and transmitting rotation. One end of the machine body is provided with an interlocking fixed turbine I and a movable turbine I for generating a vacuum. The other end is provided with an interlocking fixed turbine II and a movable turbine II for compression. The fixed turbine I works together with the movable turbine I to generate a vacuum, and the fixed turbine II works together with the movable turbine II to compress the refrigerant. In order to realize using only one electric compressor for air-conditioning refrigeration and vacuum boost in the meantime, we Integrate electric compressor and electric vacuum pump into one device, which makes the system less complicated and more reliable. This design undermines the noise level and reduces the layout space which contributes to the weight reduction of the entire vehicle. Using the electromagnetic pressure relief valve to control the load of the compressor to achieve the purpose of saving energy is greatly beneficial to the improvement of the range of electric vehicles

15-

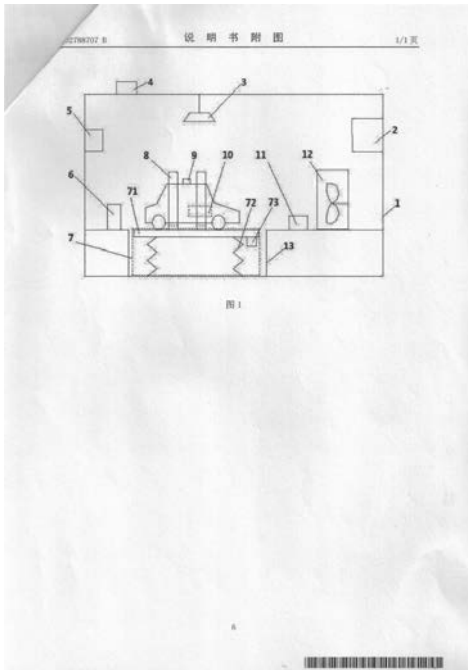


16- F04C 23/00

- ១- KH/P/២០២១/០០០៣៥ CN
- ២- ខ
- ៣- ០០៣៦០
- ៤- ZHEJIANG UNIVERSITY [CN]
- ៥- Xiong Shusheng [CN]; Wang Yinghui [CN]; Mao Bintao [CN]; Xu Jin [CN]; Xie Lian [CN]; Ren Xiaoshuai [CN] and Yao Hong [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០៣៥ CN
- ៨- Receiving Date: ១៦/០៩/២០២១
CN Filing Date: ០៣/០៨/២០១២ CN Registration Number:
២០១២១០២៧៤៣១៩.៤
- ៩-
- ១០- ថ្ងៃទី១២ ខែធ្នូ ឆ្នាំ២០២២
- ១១- AIR CONDITIONER PERFORMANCE DETECTION DEVICE FOR
AUTOMOBILE
- ១២- The invention discloses a device for detecting the performance of an automobile air conditioner, which includes a blocking device {1}, an air conditioning device {2}, a ventilating device {4}, a humidifier {5}, a host computer (6) and peripheral circuits, and a vertical take-off and landing device. (8) Environmental measurement element {9}, automotive air-conditioning measurement element (10), and also includes a lighting device (3) for simulating solar radiation, and a vibration test bench {7} for simulating the vibration environment in which an automotive air-conditioner works.), dust box (11) for simulating the dust environment in the actual operation of automotive air conditioners, and blower {12} for simulating the airflow environment in actual operation of automotive air conditioners; The detection device can quickly and effectively complete the measurement and analysis of various performance indicators of automobile air conditioners, and the test environment simulates the actual operating conditions of automobile air conditioners to the greatest extent, and eliminate the adverse effects caused by the deviation between the measurement conditions of the

traditional automotive air conditioning performance detection device and the actual situation.

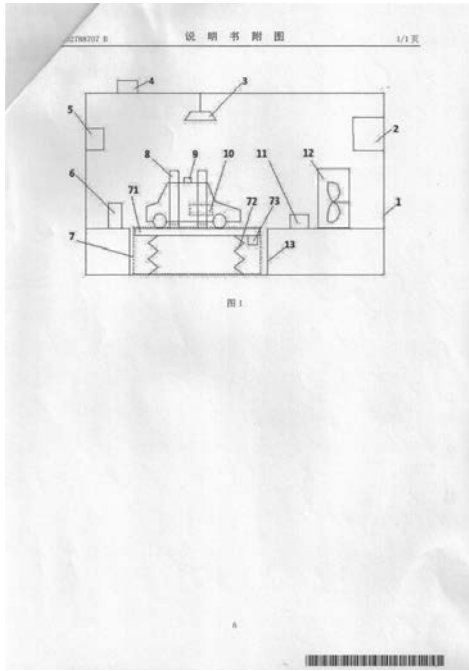
១៣-



១៤- G01M 99/00

- 1- KH/P/2021/00035 CN
- 2- B
- 3- 00446
- 4- ZHEJIANG UNIVERSITY [CN]
- 5- Xiong Shusheng [CN]; Wang Yinghui [CN]; Mao Bintao [CN]; Xu Jin [CN]; Xie Lian [CN]; Ren Xiaoshuai [CN] and Yao Hong [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00035 CN
- 8- Receiving Date: 16/09/2021
CN Filing Date: 03/08/2012 CN Registration Number: 201210274319.4
- 9-
- 12- 12 December, 2022
- 13- AIR CONDITIONER PERFORMANCE DETECTION DEVICE FOR
AUTOMOBILE
- 14- The invention discloses a device for detecting the performance of an automobile air conditioner, which includes a blocking device {1}, an air conditioning device {2}, a ventilating device {4}, a humidifier {5}, a host computer (6) and peripheral circuits, and a vertical take-off and landing device. (8) Environmental measurement element {9}, automotive air-conditioning measurement element (10), and also includes a lighting device (3) for simulating solar radiation, and a vibration test bench {7} for simulating the vibration environment in which an automotive air-conditioner works.), dust box (11) for simulating the dust environment in the actual operation of automotive air conditioners, and blower {12} for simulating the airflow environment in actual operation of automotive air conditioners; The detection device can quickly and effectively complete the measurement and analysis of various performance indicators of automobile air conditioners, and the test environment simulates the actual operating conditions of automobile air conditioners to the greatest extent, and eliminate the adverse effects caused by the deviation between the measurement conditions of the traditional automotive air conditioning performance detection device and the actual situation.

15-



16- G01M 99/00

- ១- KH/P/២០២១/០០០៣៧ CN
 - ២- ខ
 - ៣- ០០៤៣១
 - ៤- SHENZHEN NOPOSITION CROP SCIENCE CO.,LTD. [CN]
 - ៥- WU CHENGLIN [CN]; LI PUCHAO [CN]; CHEN GUILAN [CN] and YANG LIPING [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២១/០០០៣៧ CN
 - ៨- Receiving Date: ២៥/១១/២០២១
CN Filing Date: ១៥/១០/២០១៨ CN Registration Number: ២០១៨១១១៩៩៨៩៥.០
 - ៩-
 - ១០- ថ្ងៃទី២៨ ខែមីនា ឆ្នាំ២០២៤
 - ១១- DINOTEFURAN DISPERSIBLE OIL SUSPENSION AND PREPARATION METHOD THEREOF

 - ១២-
 - ១៣- None
 - ១៤- A01N 25/04
-

- 1- KH/P/2021/00037 CN
 - 2- B
 - 3- 00446
 - 4- SHENZHEN NOPOSITION CROP SCIENCE CO.,LTD. [CN]
 - 5- WU CHENGLIN [CN]; LI PUCHAO [CN]; CHEN GUILAN [CN] and YANG LIPING [CN]
 - 6- ABACUS IP
 - 7- KH/P/2021/00037 CN
 - 8- Receiving Date: 25/11/2021
CN Filing Date: 15/10/2018 CN Registration Number: 201811199895.0
 - 9-
 - 12- 28 March, 2024
 - 13- DINOTEFURAN DISPERSIBLE OIL SUSPENSION AND PREPARATION METHOD THEREOF
 - 14-
 - 15- None
 - 16- A01N 25/04
-

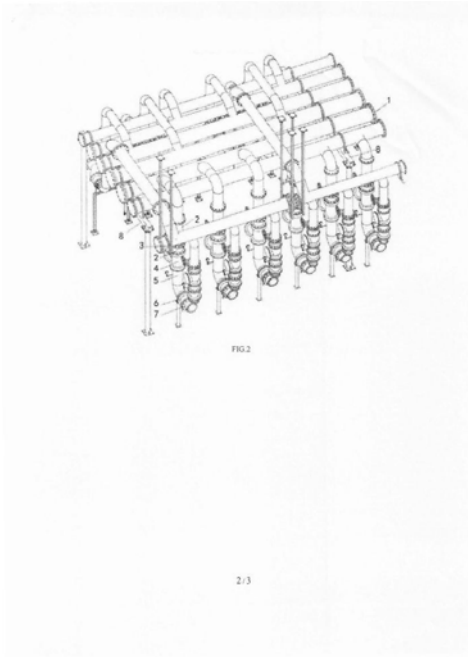
- ១- KH/P/២០២១/០០០៣៨ CN
 - ២- ខ
 - ៣- ០០៤៣២
 - ៤- SHENZHEN NOPOSITION CROP SCIENCE CO.,LTD. [CN]
 - ៥- YAN RUILI [CN]; CHEN XIAOFENG [CN]; ZHAO JUN [CN]; FENG MINGXING [CN]; WEI YA [CN]; HUO WEINA [CN] and MEI JUNHAO [CN]
 - ៦- ABACUS IP
 - ៧- KH/P/២០២១/០០០៣៨ CN
 - ៨- Receiving Date: ២៥/១១/២០២១
CN Filing Date: ១៩/១២/២០១៨ CN Registration Number:
២០១៨១១៥៥៣៥២៦.៧
 - ៩-
 - ១០- ថ្ងៃទី២៨ ខែមីនា ឆ្នាំ២០២៤
 - ១១- SEED COATIG AGENT CONTAINING CAPTAN AND APPLICATION THEREOF
 - ១២-
 - ១៣- None
 - ១៤- A01N 47/04, A01N 47/18
-

- 1- KH/P/2021/00038 CN
 - 2- B
 - 3- 00446
 - 4- SHENZHEN NOPOSITION CROP SCIENCE CO.,LTD. [CN]
 - 5- YAN RUILI [CN]; CHEN XIAOFENG [CN]; ZHAO JUN [CN]; FENG MINGXING [CN]; WEI YA [CN]; HUO WEINA [CN] and MEI JUNHAO [CN]
 - 6- ABACUS IP
 - 7- KH/P/2021/00038 CN
 - 8- Receiving Date: 25/11/2021
CN Filing Date: 19/12/2018 CN Registration Number: 201811553526.7
 - 9-
 - 12- 28 March, 2024
 - 13- SEED COATIG AGENT CONTAINING CAPTAN AND APPLICATION THEREOF
 - 14-
 - 15- None
 - 16- A01N 47/04, A01N 47/18
-

- ១- KH/P/២០២១/០០០៣៩ CN
- ២- ខ
- ៣- ០០៣៤៦
- ៤- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- ៥- Xu Xiaoping [CN]; Jiang Baosheng [CN]; Deng Y ahong [CN]; Sun Feilong [CN];
Jiao Shuangfeng [CN]; Ming Jie [CN] and Yang Tao [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២១/០០០៣៩ CN
- ៨- Receiving Date: ០៨/១២/២០២១
CN Filing Date: ១៩/០៤/២០១៦ CN Registration Number: ២០១៦១០២៤៤៩១៤.១
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- MODULAR PREFABRICATION AND ASSEMBLED CONSTRUCTION
METHOD FOR CENTRAL REFRIGERATION MACHINE ROOM
- ១២- The invention discloses a modular prefabrication and assembled construction method for central refrigeration machine room, comprising: establishing a standard family library of a refrigeration machine room, designing a digital module, controlling three-dimensional accuracy, performing factory automatic prefabrication, and conducting an assembled construction. The standard family library is a family library of a complete set of equipment, valves, and components in the central refrigeration machine room created based on the dimensions of physical entity. The digital module is generated by a BIM module with high precision after a scientific segmenting and coding. The control of three-dimensional accuracy is rechecking and measuring the building structure of the central refrigeration machine room and establishing an absolute coordinate system, so that the control of model design accuracy, processing accuracy, and on-site assembly accuracy is unified and reliable. The factory automatic prefabrication is a factory-based production based on a processing drawing of

digital module. The assembled construction comprises a segmented flange connection and an integral lifting installation. The invention can improve the installation efficiency of the central refrigeration machine room, and improve the installation quality and accuracy. The design of standardized module has strong duplication and portability, and the standardized module can be produced in an industrialized scale.

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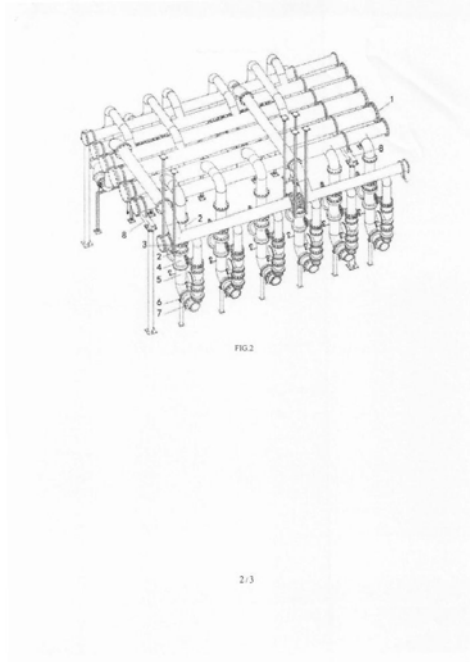


១៤- E04H 5/02, G06F 17/50

- 1- KH/P/2021/00039 CN
- 2- B
- 3- 00446
- 4- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- 5- Xu Xiaoping [CN]; Jiang Baosheng [CN]; Deng Y ahong [CN]; Sun Feilong [CN];
Jiao Shuangfeng [CN]; Ming Jie [CN] and Yang Tao [CN]
- 6- Kimly IP Service
- 7- KH/P/2021/00039 CN
- 8- Receiving Date: 08/12/2021
CN Filing Date: 19/04/2016 CN Registration Number: 201610244914.1
- 9-
- 12- 7 October, 2022
- 13- MODULAR PREFABRICATION AND ASSEMBLED CONSTRUCTION
METHOD FOR CENTRAL REFRIGERATION MACHINE ROOM
- 14- The invention discloses a modular prefabrication and assembled construction method for central refrigeration machine room, comprising: establishing a standard family library of a refrigeration machine room, designing a digital module, controlling three-dimensional accuracy, performing factory automatic prefabrication, and conducting an assembled construction. The standard family library is a family library of a complete set of equipment, valves, and components in the central refrigeration machine room created based on the dimensions of physical entity. The digital module is generated by a BIM module with high precision after a scientific segmenting and coding. The control of three-dimensional accuracy is rechecking and measuring the building structure of the central refrigeration machine room and establishing an absolute coordinate system, so that the control of model design accuracy, processing accuracy, and on-site assembly accuracy is unified and reliable. The factory automatic prefabrication is a factory-based production based on a processing drawing of digital module. The assembled construction comprises a segmented flange

connection and an integral lifting installation. The invention can improve the installation efficiency of the central refrigeration machine room, and improve the installation quality and accuracy. The design of standardized module has strong duplication and portability, and the standardized module can be produced in an industrialized scale.

15-

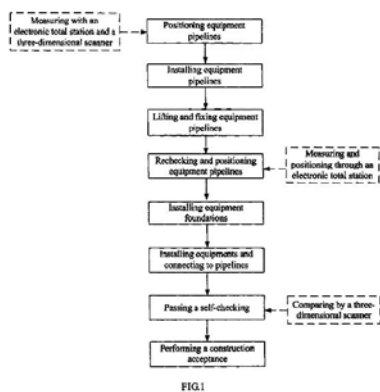


16- E04H 5/02, G06F 17/50

- ១- KH/P/២០២១/០០០៤០ CN
- ២- ខ
- ៣- ០០៣៤៧
- ៤- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- ៥- Xu Xiaoping [CN]; Ming Jie [CN]; Sun Cong [CN]; Jiao Shuangfeng [CN]; Fu Bin
[CN] and Ding Jie [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២១/០០០៤០ CN
- ៨- Receiving Date: ០៨/១២/២០២១
CN Filing Date: ០២/០១/២០១៨ CN Registration Number:
២០១៨១០០០២៦៣៥.៣
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- REVERSE CONSTRUCTION METHOD FOR MACHINE ROOM
INSTALLATION
- ១២- The invention relates to a reverse construction method for machine room
installation. The machine room at least includes equipment foundations,
equipment and equipment pipelines. The method comprises the following steps:
(1) positioning all equipment pipelines in a machine room through an electronic
total station and a three-dimensional scanner; (2) installing all equipment
pipelines in the machine room according to the positioning requirements of the
equipment pipelines; (3) lifting all equipment pipelines in the machine room and
fixing them with brackets; (4) projecting the center lines of all equipment
pipelines in the machine room to the ground, and rechecking and positioning all
equipment pipelines in the machine room through the electronic total station; (5)
installing equipment foundations and then installing all equipment after the
installation of the equipment foundation, and connecting all equipment to the
corresponding equipment pipelines. The invention can be widely used in

mechanical and electrical installation projects. The invention can shorten an on-site mechanical and electrical installation cycle by separating off-site prefabrication from construction. This invention can achieve the goal of the machine room first by making the installation of mechanical and electrical primary pipelines free from a critical path. This invention can make the construction space wide, which reduces the difficulty of the transfer and construction of main pipelines.

១៣-



11

១៤- E04B 1/35, F16L 1/024

- 1- KH/P/2021/00040 CN
- 2- B
- 3- 00446
- 4- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- 5- Xu Xiaoping [CN]; Ming Jie [CN]; Sun Cong [CN]; Jiao Shuangfeng [CN]; Fu Bin
[CN] and Ding Jie [CN]
- 6- Kimly IP Service
- 7- KH/P/2021/00040 CN
- 8- Receiving Date: 08/12/2021
CN Filing Date: 02/01/2018 CN Registration Number: 201810002635.3
- 9-
- 12- 7 October, 2022
- 13- REVERSE CONSTRUCTION METHOD FOR MACHINE ROOM
INSTALLATION
- 14- The invention relates to a reverse construction method for machine room
installation. The machine room at least includes equipment foundations,
equipment and equipment pipelines. The method comprises the following steps:
(1) positioning all equipment pipelines in a machine room through an electronic
total station and a three-dimensional scanner; (2) installing all equipment
pipelines in the machine room according to the positioning requirements of the
equipment pipelines; (3) lifting all equipment pipelines in the machine room and
fixing them with brackets; (4) projecting the center lines of all equipment
pipelines in the machine room to the ground, and rechecking and positioning all
equipment pipelines in the machine room through the electronic total station; (5)
installing equipment foundations and then installing all equipment after the
installation of the equipment foundation, and connecting all equipment to the
corresponding equipment pipelines. The invention can be widely used in
mechanical and electrical installation projects. The invention can shorten an on-
site mechanical and electrical installation cycle by separating off-site

prefabrication from construction. This invention can achieve the goal of the machine room first by making the installation of mechanical and electrical primary pipelines free from a critical path. This invention can make the construction space wide, which reduces the difficulty of the transfer and construction of main pipelines.

15-

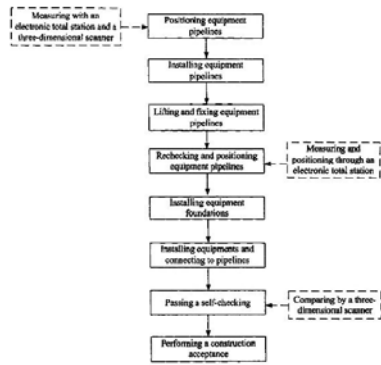


FIG.1

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16- E04B 1/35, F16L 1/024

- ១- KH/P/២០២១/០០០៤១ CN
- ២- ខ
- ៣- ០០៣៤៨
- ៤- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- ៥- Peng Qing [CN]; Zhong Jian [CN]; Tang Tiejun [CN]; Ren Huijun [CN]; Jiang
Baosheng [CN]; Deng Y ahong [CN] and Wu Xuezhi [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២១/០០០៤១ CN
- ៨- Receiving Date: ០៨/១២/២០២១
CN Filing Date: ១៣/១១/២០១៩ CN Registration Number:
២០១៩១០៦៣៩៩៤៤.៣
- ៩-
- ១០- ថ្ងៃទី៧ ខែតុលា ឆ្នាំ២០២២
- ១១- CONSTRUCTION METHOD FOR MECHANICAL AND ELECTRICAL
INSTALLATION ENGINEERING BASED ON BIM PLATFORM AND
MEASUREMENT ROBOT
- ១២- The invention relates to a construction method for mechanical and electrical
installation engineering based on a BIM platform and a measurement robot. It
comprises a BIM model of mechanical and electrical comprehensive pipelines
and a measurement robot. The method mainly comprises: (1) optimizing a
design result, feeding back actual dimension of an on-site building structure into
the BIM model of mechanical and electrical comprehensive pipelines in the
three-dimensional data form, so that the construction design is optimized and the
construction mistake is reduced; (2) performing a precise and efficient
positioning and lofting of on-site mechanical and electrical pipeline and
equipment installation through the measurement robot by using three-
dimensional data information in the BIM model of mechanical and electrical
comprehensive pipelines, so that the construction process is optimized, the

construction efficiency is improved and high construction quality is ensured; (3) collecting construction site data through the measurement robot, and comparing the actually measured data with design data to realize an auxiliary construction acceptance and make the construction result meet design requirements

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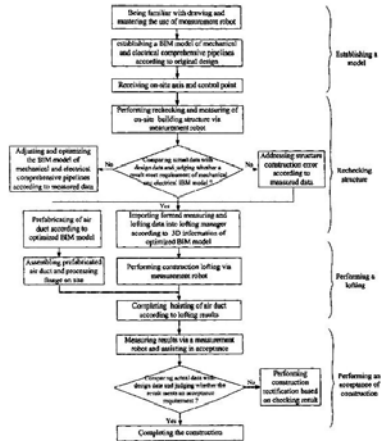


FIG.1

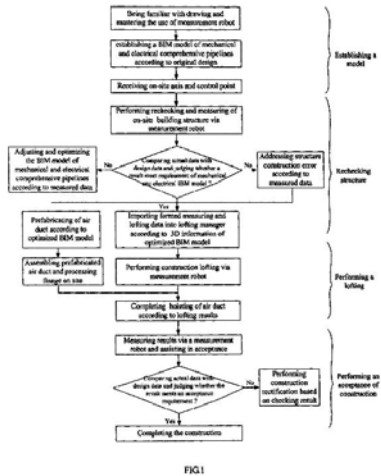
11

១៤- E04G 21/00, E04G 21/14

- 1- KH/P/2021/00041 CN
- 2- B
- 3- 00446
- 4- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- 5- Peng Qing [CN]; Zhong Jian [CN]; Tang Tiejun [CN]; Ren Huijun [CN]; Jiang
Baosheng [CN]; Deng Y ahong [CN] and Wu Xuezhi [CN]
- 6- Kimly IP Service
- 7- KH/P/2021/00041 CN
- 8- Receiving Date: 08/12/2021
CN Filing Date: 13/11/2014 CN Registration Number: 201410639944.3
- 9-
- 12- 7 October, 2022
- 13- CONSTRUCTION METHOD FOR MECHANICAL AND ELECTRICAL
INSTALLATION ENGINEERING BASED ON BIM PLATFORM AND
MEASUREMENT ROBOT
- 14- The invention relates to a construction method for mechanical and electrical
installation engineering based on a BIM platform and a measurement robot. It
comprises a BIM model of mechanical and electrical comprehensive pipelines
and a measurement robot. The method mainly comprises: (1) optimizing a design
result, feeding back actual dimension of an on-site building structure into the BIM
model of mechanical and electrical comprehensive pipelines in the three-
dimensional data form, so that the construction design is optimized and the
construction mistake is reduced; (2) performing a precise and efficient positioning
and lofting of on-site mechanical and electrical pipeline and equipment
installation through the measurement robot by using three-dimensional data
information in the BIM model of mechanical and electrical comprehensive
pipelines, so that the construction process is optimized, the construction
efficiency is improved and high construction quality is ensured; (3) collecting

construction site data through the measurement robot, and comparing the actually measured data with design data to realize an auxiliary construction acceptance and make the construction result meet design requirements

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16- E04G 21/00, E04G 21/14

- ១- KH/P/២០២១/០០០៤២ CN
- ២- ខ
- ៣- ០០៤១៨
- ៤- HENAN UNIVERSITY OF CHINESE MEDICINE [CN]
- ៥- WANG, Yishuo [CN]; LIU, Minghao [CN]; WANG, Minghao [CN]; CHEN, Xianzhong [CN] and ZHANG, Zhenling [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២១/០០០៤២ CN
- ៨- Receiving Date: ១៤/១២/២០២១
CN Filing Date: ០៣/១១/២០១៥ CN Registration Number:
២០១៥១០៧៣៣៦៩០.៦
- ៩-
- ១០- ថ្ងៃទី៦ ខែកញ្ញា ឆ្នាំ២០២៣
- ១១- METHOD FOR CULTIVATING HIGH-QUALITY DWARF BUPLEURUM
- ១២- The present invention relates to a method for cultivating high-quality dwarf bupleurum, which can effectively solve the problem of cultivating the high-quality dwarfbupleurum to meet 5 the demands of Chinese traditional medicine bupleurum. The method is that, the seeds of farmed bupleurum and the seeds of wild bupleurum are separately planted on a seed bed, and are planted on a cultivation land alternately when the seedling height is 9-11 em, and hybrid seeds are harvested according to conventional management; the hybrid seeds of bupleurum are sown on the seed bed, and hybrid bupleurum seedlings are planted on the cultivation land when 1 0 the seedling height is 9-11 em, weeding is conducted in combination with watering and fertilization at 80-11 0 days, weeding and fertilization are conducted in combination with intertilling at the temperature of 20-30°C, pure N dressing is conducted in combination with watering at the temperature of 10-14°C at 180-200 Days, and then pure N is applied at 340-360 days and 430-450 days respectively; intertilling, weeding, watering, application of manure 1 5 water from human and livestock, and disease control are conducted at 380-410 days; at 460-500 days, when the

lower leaves of the plant are withered and 70% of the fruits on the overground part become reddish brown, screening is conducted to reserve seeds for planting. The method of the present invention is easy to operate, and the cultivated bupleurum has a strong lodging-resistance capability and high product quality. 20

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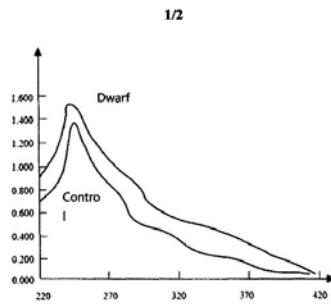


FIG.1

១៤- A01G 2/00

- 1- KH/P/2021/00042 CN
- 2- B
- 3- 00446
- 4- HENAN UNIVERSITY OF CHINESE MEDICINE [CN]
- 5- WANG, Yishuo [CN]; LIU, Minghao [CN]; WANG, Minghao [CN]; CHEN, Xianzhong [CN] and ZHANG, Zhenling [CN]
- 6- ABACUS IP
- 7- KH/P/2021/00042 CN
- 8- Receiving Date: 14/12/2021
CN Filing Date: 03/11/2015 CN Registration Number: 201510733690.6
- 9-
- 12- 6 September, 2023
- 13- METHOD FOR CULTIVATING HIGH-QUALITY DWARF BUPLEURUM
- 14- The present invention relates to a method for cultivating high-quality dwarf bupleurum, which can effectively solve the problem of cultivating the high-quality dwarf bupleurum to meet 5 the demands of Chinese traditional medicine bupleurum. The method is that, the seeds of farmed bupleurum and the seeds of wild bupleurum are separately planted on a seed bed, and are planted on a cultivation land alternately when the seedling height is 9-11 em, and hybrid seeds are harvested according to conventional management; the hybrid seeds of bupleurum are sown on the seed bed, and hybrid bupleurum seedlings are planted on the cultivation land when 1 0 the seedling height is 9-11 em, weeding is conducted in combination with watering and fertilization at 80-11 0 days, weeding and fertilization are conducted in combination with intertilling at the temperature of 20-30°C, pure N dressing is conducted in combination with watering at the temperature of 10-14°C at 180-200 Days, and then pure N is applied at 340-360 days and 430-450 days respectively; intertilling, weeding, watering, application of manure 1 5 water from human and livestock, and disease control are conducted at 380-410 days; at 460-500 days, when the lower leaves of the plant are withered and 70% of the fruits on the overground part become reddish brown, screening is conducted to reserve seeds for

planting. The method of the present invention is easy to operate, and the cultivated bupleurum has a strong lodging-resistance capability and high product quality. 20

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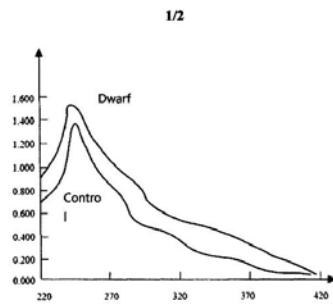


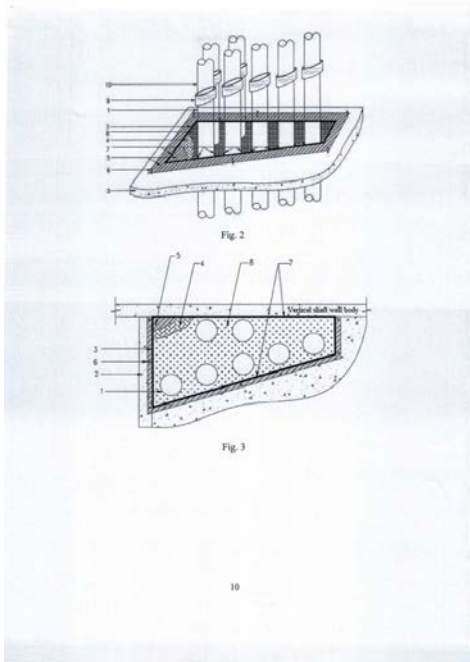
FIG.1

16- A01G 2/00

- ១- KH/P/២០២២/០០០០១ CN
- ២- ខ
- ៣- ០០៤០៨
- ៤- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- ៥- ZHANG SHANSHAN [CN]; YUAN XIAOBING [CN] and QU CAIXIA [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២២/០០០០១ CN
- ៨- Receiving Date: ១៨/០១/២០២២
CN Filing Date: ១៨/០៩/២០១៩ CN Registration Number: ២០១៩១០៨៨១១១៣.X
- ៩-
- ១០- ថ្ងៃទី៦ ខែកក្កដា ឆ្នាំ២០២៣
- ១១- METHOD FOR BLOCKING SPECIAL-SHAPED OPENING OF CONDUIT
SHAFT NOT PERMITTING SUSPENDED MOLD CONSTRUCTION
- ១២- Disclosed is a method for blocking a special-shaped opening of a conduit shaft that does not permit suspended mold construction. The method comprises: installing, from bottom to top in a conduit shaft, a conduit to a specified floor level, disposing the conduit so as to be higher than the floor level by 300 mm, and then simultaneously blocking an opening; sequentially cleaning and measuring the opening after the conduit is completely installed; cutting a coated fireproof plate according to size of the opening, and preparing a U-shaped bent-edge support steel plate recess; at the floor of the opening to be blocked, installing a conduit from top to bottom, and installing the U-shaped bent-edge support steel plate recess; applying a fireproof sealant all over the periphery of the coated fireproof plate, placing the same on the U-shaped bent-edge support steel plate recess, and pressing the same; applying the fireproof sealant to the surface of a gap between the placed coated fireproof plate, an opening edge, and a conduit edge; applying a fireproof coating evenly on a surface of the coated fireproof plate; applying a fireproof coating on a surface of the support steel plate recess; and completing fireproof blocking on the opening, and then

installing a subsequent conduit moving upwards. The invention improves efficiency of blocking an opening between floors, and ensures fireproof performance.

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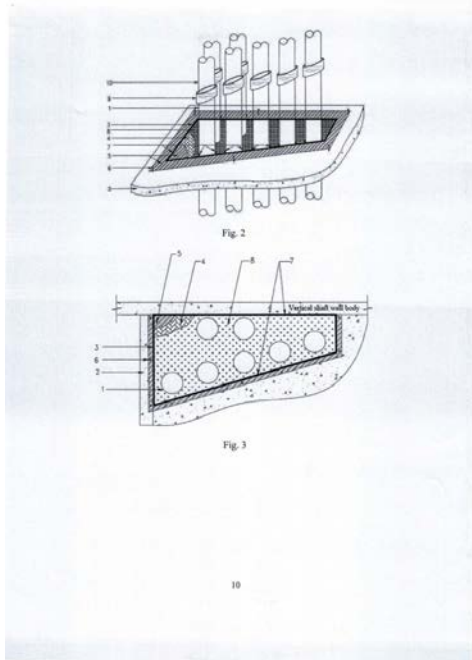


១៤- E04B 1/94, E04F 17/08, E04G 23/02

- 1- KH/P/2022/00001 CN
- 2- B
- 3- 00446
- 4- THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION
THIRD ENGINEERING BUREAU
[CN]
- 5- ZHANG SHANSHAN [CN]; YUAN XIAOBING [CN] and QU CAIXIA [CN]
- 6- Kimly IP Service
- 7- KH/P/2022/00001 CN
- 8- Receiving Date: 18/01/2022
CN Filing Date: 18/09/2019 CN Registration Number: 201910881113.X
- 9-
- 12- 6 July, 2023
- 13- METHOD FOR BLOCKING SPECIAL-SHAPED OPENING OF CONDUIT
SHAFT NOT PERMITTING SUSPENDED MOLD CONSTRUCTION
- 14- Disclosed is a method for blocking a special-shaped opening of a conduit shaft that does not permit suspended mold construction. The method comprises: installing, from bottom to top in a conduit shaft, a conduit to a specified floor level, disposing the conduit so as to be higher than the floor level by 300 mm, and then simultaneously blocking an opening; sequentially cleaning and measuring the opening after the conduit is completely installed; cutting a coated fireproof plate according to size of the opening, and preparing a U-shaped bent-edge support steel plate recess; at the floor of the opening to be blocked, installing a conduit from top to bottom, and installing the U-shaped bent-edge support steel plate recess; applying a fireproof sealant all over the periphery of the coated fireproof plate, placing the same on the U-shaped bent-edge support steel plate recess, and pressing the same; applying the fireproof sealant to the surface of a gap between the placed coated fireproof plate, an opening edge, and a conduit edge; applying a fireproof coating evenly on a surface of the coated fireproof plate; applying a fireproof coating on a surface of the support steel plate recess; and completing fireproof blocking on the opening, and then

installing a subsequent conduit moving upwards. The invention improves efficiency of blocking an opening between floors, and ensures fireproof performance.

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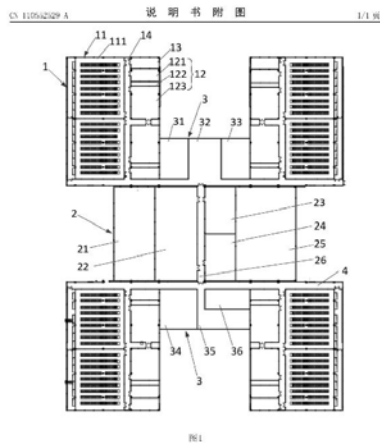
16- E04B 1/94, E04F 17/08, E04G 23/02

- ១- KH/P/២០២២/០០០០៤ CN
 - ២- ខ
 - ៣- ០០៤៤០
 - ៤- PETPAL PET NUTRITION TECHNOLOGY CO., LTD [CN]
 - ៥- CHEN ZHENBIAO [CN]; ZHENG XIANGLAN [CN] and DING ZHIWEN [CN]
 - ៦- VNP LAW OFFICE
 - ៧- KH/P/២០២២/០០០០៤ CN
 - ៨- Receiving Date: ០៨/០៤/២០២២
CN Filing Date: ០៦/០៩/២០១៧ CN Registration Number:
២០១៧១០៧៩៦៧៥៩.៩
 - ៩-
 - ១០- ថ្ងៃទី១២ ខែកក្កដា ឆ្នាំ២០២៤
 - ១១- PET CHEW PRODUCT AND PREPARATION METHOD THEREOF
 - ១២- The present disclosure relates to a pet chew product and a preparation method thereof. The preparation method includes a desulfurization step, a deliming and softening step, and a bleaching step, wherein the desulfurization step is: soaking and washing the limed split hide with an aqueous solution of hydrogen peroxide and degreaser, and/or a mixed solution of bleaching effluent obtained at the bleaching step and degreaser to remove sulfide; the deliming and softening step is: placing the limed split hide after soaking in warm water at 30-45°C, adding a degreaser and an ammonia-free deliming agent, regulating a pH value to 9-12, preferably 9-11 , softening with alkaline protease, and removing impurities; and the bleaching step is: bleaching with hydrogen peroxide to obtain a pet chew product, and collecting a bleaching effluent. The preparation method has the advantages of simple preparation processes, water saving, less environmental pollution, and excellent degreasing and softening effects.
 - ១៣- None
 - ១៤- A01K 15/02
-

- 1- KH/P/2022/00004 CN
 - 2- B
 - 3- 00446
 - 4- PETPAL PET NUTRITION TECHNOLOGY CO., LTD [CN]
 - 5- CHEN ZHENBIAO [CN]; ZHENG XIANGLAN [CN] and DING ZHIWEN [CN]
 - 6- VNP LAW OFFICE
 - 7- KH/P/2022/00004 CN
 - 8- Receiving Date: 08/04/2022
CN Filing Date: 06/09/2017 CN Registration Number: 201710796759.9
 - 9-
 - 12- 12 July, 2024
 - 13- PET CHEW PRODUCT AND PREPARATION METHOD THEREOF
 - 14- The present disclosure relates to a pet chew product and a preparation method thereof. The preparation method includes a desulfurization step, a deliming and softening step, and a bleaching step, wherein the desulfurization step is: soaking and washing the limed split hide with an aqueous solution of hydrogen peroxide and degreaser, and/or a mixed solution of bleaching effluent obtained at the bleaching step and degreaser to remove sulfide; the deliming and softening step is: placing the limed split hide after soaking in warm water at 30-45°C, adding a degreaser and an ammonia-free deliming agent, regulating a pH value to 9-12, preferably 9-11 , softening with alkaline protease, and removing impurities; and the bleaching step is: bleaching with hydrogen peroxide to obtain a pet chew product, and collecting a bleaching effluent. The preparation method has the advantages of simple preparation processes, water saving, Jess environmental pollution, and excellent degreasing and softening effects.
 - 15- None
 - 16- A01K 15/02
-

- ១- KH/P/២០២២/០០០០៥ CN
- ២- ខ
- ៣- ០០៣៩៧
- ៤- S.Y. TECHNOLOGY, ENGINEERING & CONSTRUCTION CO., LTD [CN] and CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- ៥- ZHONG, Jinghua [CN] and CHENG, Hong [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២២/០០០០៥ CN
- ៨- Receiving Date: ២៨/០៤/២០២២
CN Filing Date: ១២/០៤/២០១៩ CN Registration Number:
២០១៩១០៧៤០៣៣៦.៤
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- BUTTERFLY-SHAPED DATA CENTER
- ១២- The invention relates to the technical field of data center process layout, and discloses a butterfly-shaped data center. The butterfly-shaped data center comprises a single-layer building and a multi-layer building, each layer building comprises a system supporting area and four main unit areas distributed in two rows and two columns, the system supporting area is located in the center position among the four main unit areas, an auxiliary area is arranged between every two main unit areas in the row direction, and the four main unit areas, the system supporting area and the auxiliary area are matched to form butterfly distribution; the main unit area comprises two main unit room supporting areas located on the side, facing the other main unit area, of the main unit room, and the two main unit room supporting areas are distributed in the column direction; every two main unit areas are mutually independent, and each main unit area is in communication with the system supporting area; and the auxiliary area is in communication with the system supporting area. The butterfly-shaped data center can achieve the effects of the shortest path for energy delivery, the most convenient operation and maintenance, the most reliable safety protection and the most flexible modular operation.

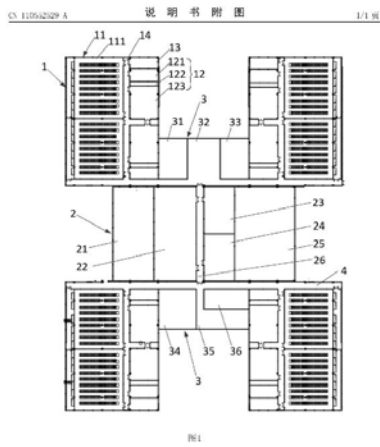
១៣-



១៤- E04H 5/00

- 1- KH/P/2022/00005 CN
- 2- B
- 3- 00446
- 4- S.Y. TECHNOLOGY, ENGINEERING & CONSTRUCTION CO., LTD [CN] and CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- 5- ZHONG, Jinghua [CN] and CHENG, Hong [CN]
- 6- ABACUS IP
- 7- KH/P/2022/00005 CN
- 8- Receiving Date: 28/04/2022
CN Filing Date: 12/08/2019 CN Registration Number: 201910740336.4
- 9-
- 12- 7 June, 2023
- 13- BUTTERFLY-SHAPED DATA CENTER
- 14- The invention relates to the technical field of data center process layout, and discloses a butterfly-shaped data center. The butterfly-shaped data center comprises a single-layer building and a multi-layer building, each layer building comprises a system supporting area and four main unit areas distributed in two rows and two columns, the system supporting area is located in the center position among the four main unit areas, an auxiliary area is arranged between every two main unit areas in the row direction, and the four main unit areas, the system supporting area and the auxiliary area are matched to form butterfly distribution; the main unit area comprises two main unit room supporting areas located on the side, facing the other main unit area, of the main unit room, and the two main unit room supporting areas are distributed in the column direction; every two main unit areas are mutually independent, and each main unit area is in communication with the system supporting area; and the auxiliary area is in communication with the system supporting area. The butterfly-shaped data center can achieve the effects of the shortest path for energy delivery, the most convenient operation and maintenance, the most reliable safety protection and the most flexible modular operation.

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16- E04H 5/00

- ១- KH/P/២០២២/០០០០៦ CN
- ២- ខ
- ៣- ០០៣៩៨
- ៤- CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- ៥- YAN, Feng [CN]; LOU, Yu [CN] and CHEN, Liu [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២២/០០០០៦ CN
- ៨- Receiving Date: ២៨/០៤/២០២២
CN Filing Date: ០៦/១២/២០១៨ CN Registration Number:
២០១៨១១៤៨៨១២២.៤
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- ACTIVE VIBRATION ISOLATION CONTROL METHOD AND APPARATUS
- ១២- The invention discloses an active vibration isolation control method and apparatus, vibration signals of a plurality of vibration sources in a vibration environment are collected, the vibration sources include vibration sources with fixed frequencies and vibration sources with non-fixed frequencies, the collected vibration signals in a time domain are converted into frequency domain signals, and the vibration signals of the vibration sources with the fixed frequencies are determined from the frequency domain signals; and the vibration signals of the vibration sources with the fixed frequencies are controlled, the vibration signals with the fixed frequencies are selected from the vibration signals sent by all the vibration sources and are controlled, and therefore the vibration signals sent by the vibration sources with the fixed frequencies may be controlled, and the vibration isolation effect on the vibration signals sent by the vibration sources with the fixed frequencies is improved.

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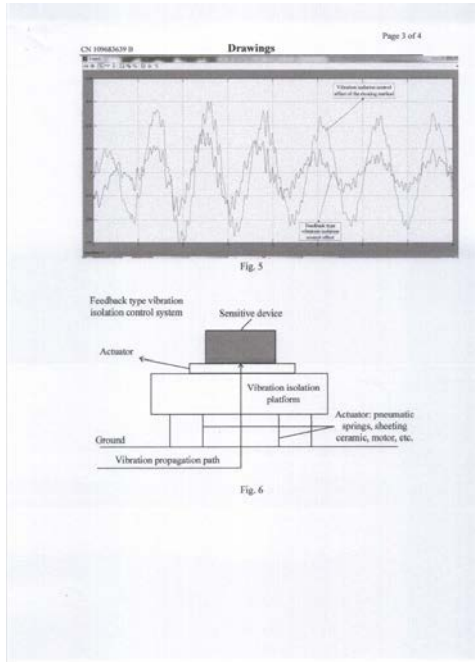


Fig. 5

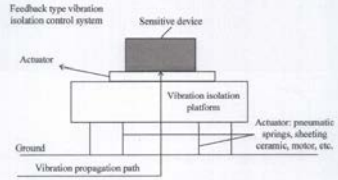
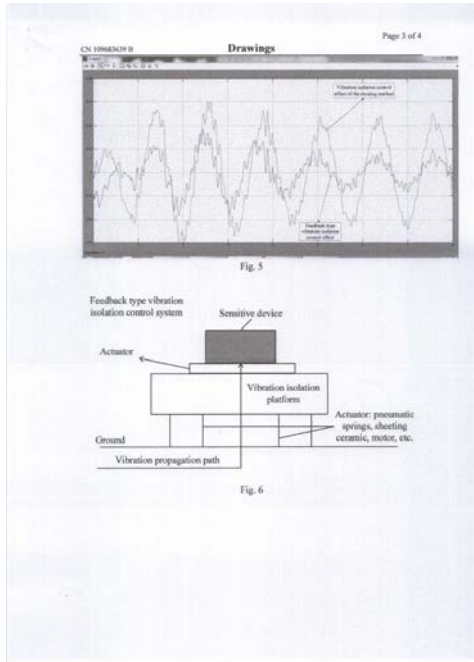


Fig. 6

១៤- G05D 19/02

- 1- KH/P/2022/00006 CN
- 2- B
- 3- 00446
- 4- CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- 5- YAN, Feng [CN]; LOU, Yu [CN] and CHEN, Liu [CN]
- 6- ABACUS IP
- 7- KH/P/2022/00006 CN
- 8- Receiving Date: 28/04/2022
CN Filing Date: 06/12/2018 CN Registration Number: 201811488122.4
- 9-
- 12- 7 June, 2023
- 13- ACTIVE VIBRATION ISOLATION CONTROL METHOD
AND APPARATUS
- 14- The invention discloses an active vibration isolation control method and apparatus, vibration signals of a plurality of vibration sources in a vibration environment are collected, the vibration sources include vibration sources with fixed frequencies and vibration sources with non-fixed frequencies, the collected vibration signals in a time domain are converted into frequency domain signals, and the vibration signals of the vibration sources with the fixed frequencies are determined from the frequency domain signals; and the vibration signals of the vibration sources with the fixed frequencies are controlled, the vibration signals with the fixed frequencies are selected from the vibration signals sent by all the vibration sources and are controlled, and therefore the vibration signals sent by the vibration sources with the fixed frequencies may be controlled, and the vibration isolation effect on the vibration signals sent by the vibration sources with the fixed frequencies is improved.

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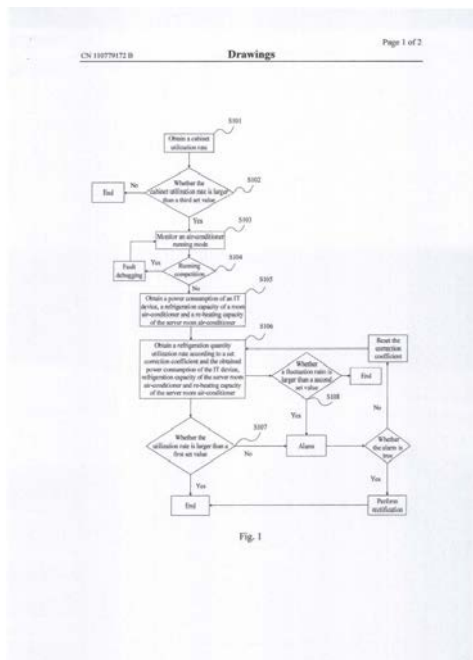


16- G05D 19/02

- ១- KH/P/២០២២/០០០០៧ CN
- ២- ខ
- ៣- ០០៣៩៩
- ៤- CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- ៥- ZHANG, Zhengguo [CN]; XIANG, Hao [CN]; JIA, Kun [CN]; ZHANG, Zugang [CN]; CHEN, Xiaoyu [CN] and WANG, Li [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២២/០០០០៧ CN
- ៨- Receiving Date: ២៨/០៤/២០២២
CN Filing Date: ០៨/១១/២០១៩ CN Registration Number: ២០១៩១១០៩០១០២.៦
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- SERVER ROOM AIR-CONDITIONER REFRIGERATION QUANTITY UTILIZATION RATE DIAGNOSTIC METHOD AND DIAGNOSTIC APPARATUS
- ១២- The invention relates to the technical field of server room, in particular to a server room air-conditioner refrigeration quantity utilization rate diagnostic method and diagnostic apparatus. The method includes: obtaining a power consumption of an IT device, a refrigeration capacity of a room air-conditioner and a re-heating capacity of the server room air-conditioner; obtaining a refrigeration quantity utilization rate according to a set correction coefficient and the obtained power consumption of the IT device, refrigeration capacity of the server room air-conditioner and re-heating capacity of the server room air-conditioner; determining whether the utilization rate is larger than a first set value, wherein when the utilization rate is larger than the first set value, a server room is determined as operating normally; and giving an alarm when the utilization rate is smaller than or equal to the first set value, checking whether the alarm is true on site, and re-setting the correction coefficient when the alarm is not true. The server room air-conditioner refrigeration quantity utilization rate diagnostic method of the present application needs fewer parameters so as to provide a technical basis for fast diagnosis and improvement of a building

enclosure of the server room, and thus energy consumption of a server room air-conditioner is reduced.

១៣-



១៤- F24F 11/38, F24F 11/52, F24F 11/526, F24F 11/54, F24F 11/56, F24F 11/64, F24F 11/65

- 1- KH/P/2022/00007 CN
- 2- B
- 3- 00446
- 4- CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- 5- ZHANG, Zhengguo [CN]; XIANG, Hao [CN]; JIA, Kun [CN]; ZHANG, Zugang [CN]; CHEN, Xiaoyu [CN] and WANG, Li [CN]
- 6- ABACUS IP
- 7- KH/P/2022/00007 CN
- 8- Receiving Date: 28/04/2022
CN Filing Date: 08/11/2019 CN Registration Number: 201911090102.6
- 9-
- 12- 7 June, 2023
- 13- SERVER ROOM AIR-CONDITIONER REFRIGERATION QUANTITY UTILIZATION RATE DIAGNOSTIC METHOD AND DIAGNOSTIC APPARATUS
- 14- The invention relates to the technical field of server room, in particular to a server room air-conditioner refrigeration quantity utilization rate diagnostic method and diagnostic apparatus. The method includes: obtaining a power consumption of an IT device, a refrigeration capacity of a room air-conditioner and a re-heating capacity of the server room air-conditioner; obtaining a refrigeration quantity utilization rate according to a set correction coefficient and the obtained power consumption of the IT device, refrigeration capacity of the server room air-conditioner and re-heating capacity of the server room air-conditioner; determining whether the utilization rate is larger than a first set value, wherein when the utilization rate is larger than the first set value, a server room is determined as operating normally; and giving an alarm when the utilization rate is smaller than or equal to the first set value, checking whether the alarm is true on site, and re-setting the correction coefficient when the alarm is not true. The server room air-conditioner refrigeration quantity utilization rate diagnostic method of the present application needs fewer parameters so as to provide a technical basis for fast diagnosis and improvement of a building

enclosure of the server room, and thus energy consumption of a server room air-conditioner is reduced.

15-

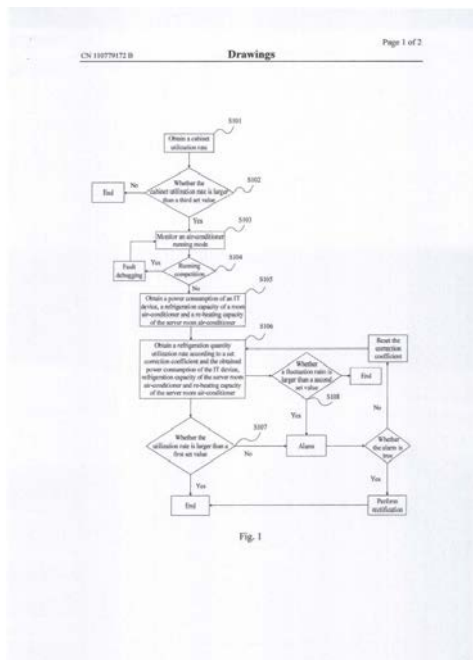
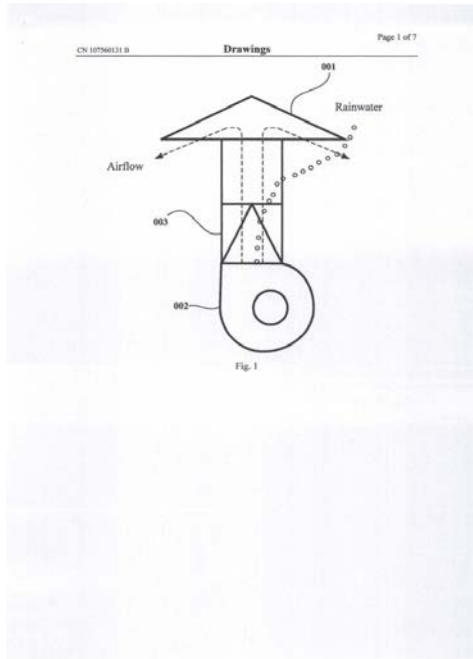


Fig. 1

16- F24F 11/38, F24F 11/52, F24F 11/526, F24F 11/54, F24F 11/56, F24F 11/64, F24F 11/65

- ១- KH/P/២០២២/០០០០៨ CN
- ២- ខ
- ៣- ០០៤០០
- ៤- S.Y. TECHNOLOGY, ENGINEERING & CONSTRUCTION CO., LTD [CN]
- ៥- PENG, Dingzhi [CN]; QIN, Xueli [CN]; XIAO, Hongmei [CN]; YAN, Dong [CN] and LI, Peng [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២២/០០០០៨ CN
- ៨- Receiving Date: ២៨/០៤/២០២២
CN Filing Date: ០៩/០៤/២០១៧ CN Registration Number:
២០១៧១០៦៧៦៥៨៩.០
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- BLAST CAP AND VENTILATION SYSTEM
- ១២- The present disclosure discloses a blast cap and a ventilation system, so as to solve the technical problems that an existing blast cap leaks rain, is unfavorable for airflow discharge, occupies a large space, and is difficult to manufacture and install. The blast cap includes: a blast cap body, including an air outlet side plate and a cover plate sealed and fixed on a top of the air outlet side plate, the air outlet side plate being in a shape of a chamfered truncated tube and provided with an air outlet, and a bottom of the air outlet side plate being a blast cap air inlet; an air inlet deflector, fixed in the blast cap body, and guiding airflow entering from the blast cap air inlet to the air outlet of the air outlet side plate; and an air outlet deflector, fixed on an outer side of the air outlet side plate, including a side plate portion and a bottom plate portion connected with a bottom of the side plate portion, and guiding airflow discharged from the air outlet to a position above the blast cap, the bottom plate portion being in sealed connection with the air outlet side plate and provided with a drainage opening

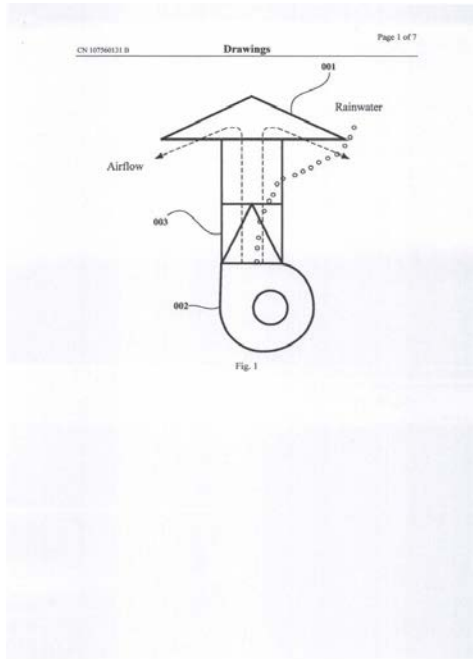
១៣-



១៤- F24F 13/08, F24F 13/24

- 1- KH/P/2022/00008 CN
- 2- B
- 3- 00446
- 4- S.Y. TECHNOLOGY, ENGINEERING & CONSTRUCTION CO., LTD [CN]
- 5- PENG, Dingzhi [CN]; QIN, Xueli [CN]; XIAO, Hongmei [CN]; YAN, Dong [CN]
and LI, Peng [CN]
- 6- ABACUS IP
- 7- KH/P/2022/00008 CN
- 8- Receiving Date: 28/04/2022
CN Filing Date: 09/08/2017 CN Registration Number: 201710676589.0
- 9-
- 12- 7 June, 2023
- 13- BLAST CAP AND VENTILATION SYSTEM
- 14- The present disclosure discloses a blast cap and a ventilation system, so as to solve the technical problems that an existing blast cap leaks rain, is unfavorable for airflow discharge, occupies a large space, and is difficult to manufacture and install. The blast cap includes: a blast cap body, including an air outlet side plate and a cover plate sealed and fixed on a top of the air outlet side plate, the air outlet side plate being in a shape of a chamfered truncated tube and provided with an air outlet, and a bottom of the air outlet side plate being a blast cap air inlet; an air inlet deflector, fixed in the blast cap body, and guiding airflow entering from the blast cap air inlet to the air outlet of the air outlet side plate; and an air outlet deflector, fixed on an outer side of the air outlet side plate, including a side plate portion and a bottom plate portion connected with a bottom of the side plate portion, and guiding airflow discharged from the air outlet to a position above the blast cap, the bottom plate portion being in sealed connection with the air outlet side plate and provided with a drainage opening

15-

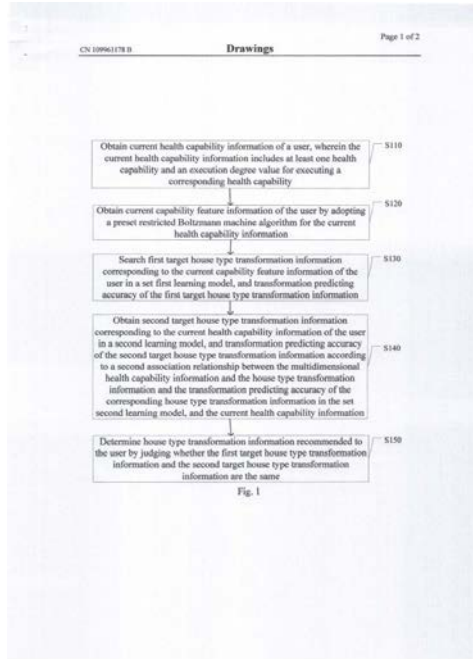


16- F24F 13/08, F24F 13/24

- ១- KH/P/២០២២/០០០០៩ CN
- ២- ខ
- ៣- ០០៤០១
- ៤- CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- ៥- CUI, Zhen [CN]; LU, Weihua [CN]; HAN, Han [CN]; CHEN, Wen [CN]; GONG, Xiaodong [CN]; LI, Peng [CN]; JIANG, Ying [CN] and HU, Xujing [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២២/០០០០៩ CN
- ៨- Receiving Date: ២៨/០៤/២០២២
CN Filing Date: ១២/០៣/២០១៩ CN Registration Number:
២០១៩១០១៨៤២៨០.៩
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- METHOD AND APPARATUS FOR OBTAINING HOUSE TYPE TRANSFORMATION INFORMATION
- ១២- The present application discloses a method and apparatus for obtaining house type transformation information. After utilizing current health capability information of a user to obtain current capability feature information of the user, the method finds first target house type transformation information corresponding to the current capability feature information in a first learning model and a corresponding transformation predicting accuracy, and then obtains second target house type transformation information corresponding to the current health capability information and a corresponding transformation predicting accuracy according to a second association relationship in a second learning model, the transformation predicting accuracy of the corresponding house type transformation information, and the current health capability information; when the first target house type transformation information and the second target house type transformation information are different, target house type transformation information corresponding to a maximum transformation predicting accuracy is determined as recommended house type transformation information;

and otherwise, the first target house type transformation information or the second target house type transformation information is determined as the recommended house type transformation information. The method improves a personalize degree of a recommended solution and a recommend accuracy degree.

១៣-

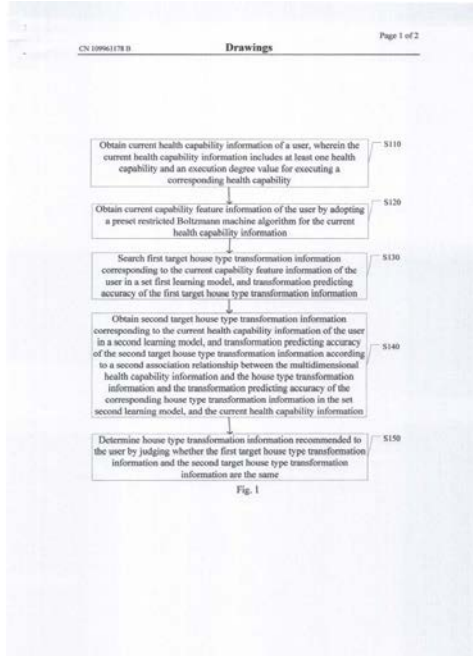


១៤- G06Q 10/04, G06Q 30/06, G06Q 50/16

- 1- KH/P/2022/00009 CN
- 2- B
- 3- 00446
- 4- CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- 5- CUI, Zhen [CN]; LU, Weihua [CN]; HAN, Han [CN]; CHEN, Wen [CN]; GONG, Xiaodong [CN]; LI, Peng [CN]; JIANG, Ying [CN] and HU, Xujing [CN]
- 6- ABACUS IP
- 7- KH/P/2022/00009 CN
- 8- Receiving Date: 28/04/2022
CN Filing Date: 12/03/2019 CN Registration Number: 201910184280.9
- 9-
- 12- 7 June, 2023
- 13- METHOD AND APPARATUS FOR OBTAINING HOUSE TYPE TRANSFORMATION INFORMATION
- 14- The present application discloses a method and apparatus for obtaining house type transformation information. After utilizing current health capability information of a user to obtain current capability feature information of the user, the method finds first target house type transformation information corresponding to the current capability feature information in a first learning model and a corresponding transformation predicting accuracy, and then obtains second target house type transformation information corresponding to the current health capability information and a corresponding transformation predicting accuracy according to a second association relationship in a second learning model, the transformation predicting accuracy of the corresponding house type transformation information, and the current health capability information; when the first target house type transformation information and the second target house type transformation information are different, target house type transformation information corresponding to a maximum transformation predicting accuracy is determined as recommended house type transformation information; and otherwise, the first target house type transformation information or the second target house type transformation information is determined as the

recommended house type transformation information. The method improves a personalize degree of a recommended solution and a recommend accuracy degree.

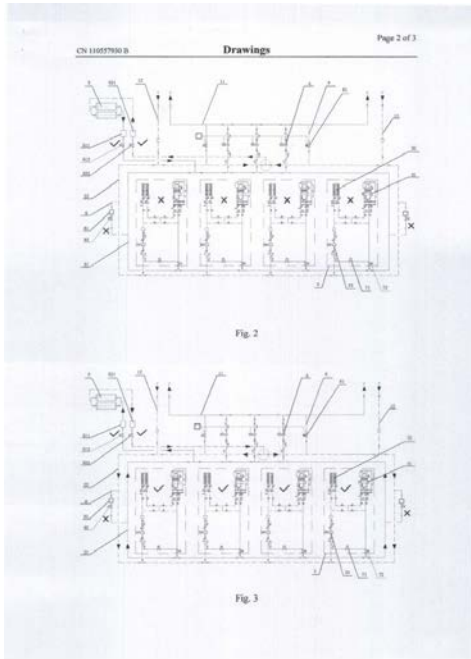
15-



16- G06Q 10/04, G06Q 30/06, G06Q 50/16

- ១- KH/P/២០២២/០០០១០ CN
- ២- ខ
- ៣- ០០៤០២
- ៤- S.Y. TECHNOLOGY, ENGINEERING & CONSTRUCTION CO., LTD [CN] and CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- ៥- HAO, Haixian [CN]; ZHANG, Dongmei [CN] and TENG, Shixing [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២២/០០០១០ CN
- ៨- Receiving Date: ២៨/០៤/២០២២
CN Filing Date: ០៨/០៤/២០១៩ CN Registration Number:
២០១៩១០៧២៩២៣៦.១
- ៩-
- ១០- ថ្ងៃទី៧ ខែមិថុនា ឆ្នាំ២០២៣
- ១១- DATA CENTER COOLING SYSTEM AND CONTROL METHOD
- ១២- The present invention relates to the technical field of data center cold source supply systems, in particular to a data center cooling system and a control method. The data center cooling system includes a tail end water supply loop, a tail end water return loop, a chilled water supply loop, a chilled water return loop, a plurality of chilling elements, a plurality of secondary chilled water pumps, a cold storage tank, a flow sensor, and a controlling apparatus. Each of the chilling elements includes a water chiller unit, a plate heat exchanger and a primary chilled water pump. In the data center cooling system, the frequency of the primary chilled water pumps of the chilling elements is controlled by the flow direction and flow of the water in the cold storage tank, and the frequency of the secondary chilled water pumps is adjusted according to a demand of a tail end load change; and a cold storage tank running mode is completely independent from cooling demand flow adjustment of the data center without any mutual influence, a control architecture is simple, stability and V) reliability of system running are relatively high and maintenance is convenient

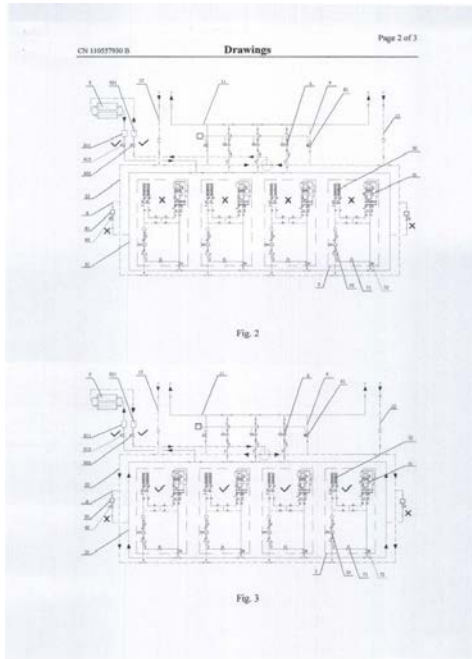
១៣-



១៤- H05K 7/20

- 1- KH/P/2022/00010 CN
- 2- B
- 3- 00446
- 4- S.Y. TECHNOLOGY, ENGINEERING & CONSTRUCTION CO., LTD [CN] and CHINA ELECTRONICS ENGINEERING DESIGN INSTITUTE CO., LTD [CN]
- 5- HAO, Haixian [CN]; ZHANG, Dongmei [CN] and TENG, Shixing [CN]
- 6- ABACUS IP
- 7- KH/P/2022/00010 CN
- 8- Receiving Date: 28/04/2022
CN Filing Date: 08/08/2019 CN Registration Number: 201910729236.1
- 9-
- 12- 7 June, 2023
- 13- DATA CENTER COOLING SYSTEM AND CONTROL METHOD
- 14- The present invention relates to the technical field of data center cold source supply systems, in particular to a data center cooling system and a control method. The data center cooling system includes a tail end water supply loop, a tail end water return loop, a chilled water supply loop, a chilled water return loop, a plurality of chilling elements, a plurality of secondary chilled water pumps, a cold storage tank, a flow sensor, and a controlling apparatus. Each of the chilling elements includes a water chiller unit, a plate heat exchanger and a primary chilled water pump. In the data center cooling system, the frequency of the primary chilled water pumps of the chilling elements is controlled by the flow direction and flow of the water in the cold storage tank, and the frequency of the secondary chilled water pumps is adjusted according to a demand of a tail end load change; and a cold storage tank running mode is completely independent from cooling demand flow adjustment of the data center without any mutual influence, a control architecture is simple, stability and V) reliability of system running are relatively high and maintenance is convenient

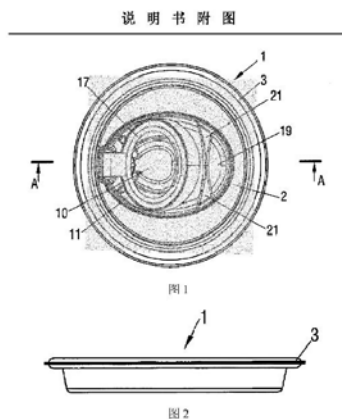
15-



16- H05K 7/20

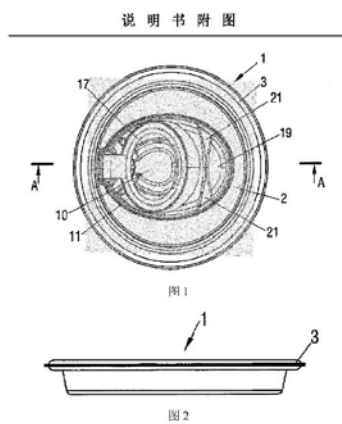
- ១- KH/P/២០២២/០០០១៤ CN
- ២- ខ
- ៣- ០០៣៦៩
- ៤- PIECH, Gregor Anton [AT]
- ៥- PIECH, Gregor Anton [AT]
- ៦- VEASNA IP SERVICE CO., LTD
- ៧- KH/P/២០២២/០០០១៤ CN
- ៨- Receiving Date: ១៩/០៨/២០២២
CN Filing Date: ១២/០៥/២០១៧ CN Registration Number:
២០១៧៨០០៨៩៣៩២.៥
- ៩- EP17165040A 05/04/2017 EP and EP2017061474W 12/05/2017 EP
- ១០- ថ្ងៃទី១៩ ខែធ្នូ ឆ្នាំ២០២២
- ១១- METALLIC CAN LID
- ១២- A reclosable can lid is described which does not require a separation of a metal surface associated with chip formation in the opening process, which ensures the respective required leak tightness on the reclosing , even in the case of a pressure build-up resulting in the respective container, and which has a high functional reliability with a particularly economical manufacturing option

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១៤- B65D 17/00

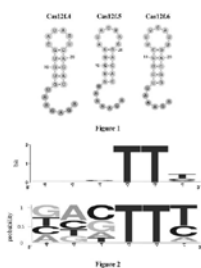
- 1- KH/P/2022/00014 CN
- 2- B
- 3- 00446
- 4- PIECH, Gregor Anton [AT]
- 5- PIECH, Gregor Anton [AT]
- 6- VEASNA IP SERVICE CO., LTD
- 7- KH/P/2022/00014 CN
- 8- Receiving Date: 19/08/2022
CN Filing Date: 12/05/2017 CN Registration Number: 201780089392.5
- 9- EP17165040A 05/04/2017 EP and EP2017061474W 12/05/2017 EP
- 12- 19 December, 2022
- 13- METALLIC CAN LID
- 14- A reclosable can lid is described which does not require a separation of a metal surface associated with chip formation in the opening process, which ensures the respective required leak tightness on the reclosing , even in the case of a pressure build-up resulting in the respective container, and which has a high functional reliability with a particularly economical manufacturing option
- 15-



- 16- B65D 17/00

- ១- KH/P/២០២២/០០០១៥ CN
- ២- ខ
- ៣- ០០៣៨៤
- ៤- CHINA AGRICULTURAL UNIVERSITY [CN]
- ៥- LAI JINSHENG [CN]; ZHOU YINGSI [CN]; ZHU JINJIE [CN]; YI FEI [CN]; ZHANG XIANGBO [CN]; ZHAO HAIMING [CN] and SONG WEIBIN [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២២/០០០១៥ CN
- ៨- Receiving Date: ០១/០៩/២០២២
CN Filing Date: ២៩/១០/២០១៩ CN Registration Number: CN២០១៩៨០០១៤៥៦០A
- ៩- 201811266209.7 29/10/2018 CN
- ១០- ថ្ងៃទី១ ខែមីនា ឆ្នាំ២០២៣
- ១១- NOVEL CRISPR/CAS12F ENZYME AND SYSTEM
- ១២- The present invention belongs to the field of nucleic acid editing, in particular to the field of clustered regularly interspaced short palindromic repeats (CRISPR) technology. In particular, the present invention provides a Cas effector protein, a fusion protein comprising the Cas effector protein, and a nucleic acid molecule encoding the same. Also provided are a compound and a composition for nucleic acid editing (e.g., gene or genome editing) comprising the protein or the nucleic acid molecule, and a method for nucleic acid editing (e.g., gene or genome editing) using the protein.

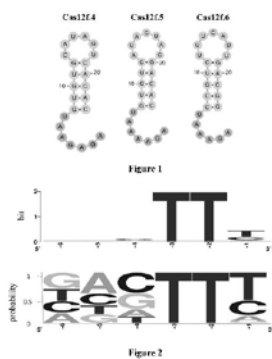
១៣-



១៤- C07K 14/00, C07K 19/00, C12N 15/113, C12N 15/90, C12N 9/16

- 1- KH/P/2022/00015 CN
- 2- B
- 3- 00446
- 4- CHINA AGRICULTURAL UNIVERSITY [CN]
- 5- LAI JINSHENG [CN]; ZHOU YINGSI [CN]; ZHU JINJIE [CN]; YI FEI [CN]; ZHANG XIANGBO [CN]; ZHAO HAIMING [CN] and SONG WEIBIN [CN]
- 6- Kimly IP Service
- 7- KH/P/2022/00015 CN
- 8- Receiving Date: 01/09/2022
CN Filing Date: 29/10/2019 CN Registration Number: CN201980014560A
- 9- 201811266209.7 29/10/2018 CN
- 12- 1 March, 2023
- 13- NOVEL CRISPR/CAS12F ENZYME AND SYSTEM
- 14- The present invention belongs to the field of nucleic acid editing, in particular to the field of clustered regularly interspaced short palindromic repeats (CRISPR) technology. In particular, the present invention provides a Cas effector protein, a fusion protein comprising the Cas effector protein, and a nucleic acid molecule encoding the same. Also provided are a compound and a composition for nucleic acid editing (e.g., gene or genome editing) comprising the protein or the nucleic acid molecule, and a method for nucleic acid editing (e.g., gene or genome editing) using the protein.

15-



16- C07K 14/00, C07K 19/00, C12N 15/113, C12N 15/90, C12N 9/16

- ១- KH/P/២០២២/០០០១៦ CN
- ២- ខ
- ៣- ០០៣៨៥
- ៤- CHINA AGRICULTURAL UNIVERSITY [CN]
- ៥- LAI, Jinsheng [CN]; ZHOU, Yingsi [CN]; LI, Yingnan [CN]; ZHANG, Jihong [CN]; WANG, Yingying [CN]; LYU, Menglu [CN]; ZHANG, Xiangbo [CN]; ZHAO, Haiming [CN] and SONG, Weibin [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២២/០០០១៦ CN
- ៨- Receiving Date: ០១/០៩/២០២២
CN Filing Date: ១៥/១១/២០១៩ CN Registration Number:
CN២០១៩៨០០១៤០០៥A
- ៩- 201811355943.0 15/11/2018 CN
- ១០- ថ្ងៃទី១ ខែមីនា ឆ្នាំ២០២៣
- ១១- CRISPR-CAS12J ENZYME AND SYSTEM
- ១២-
- ១៣-

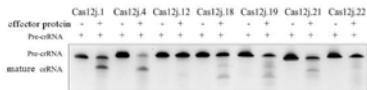


Figure 1

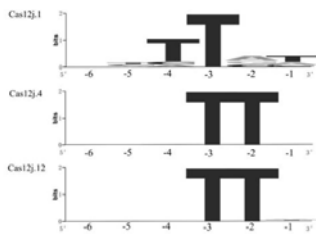


Figure 2A

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- ១៤- A61K 35/12, A61K 48/00, C12N 15/113, C12N 15/52, C12N 15/62, C12N 15/63, C12N 15/90, C12N 9/22

- 1- KH/P/2022/00016 CN
- 2- B
- 3- 00446
- 4- CHINA AGRICULTURAL UNIVERSITY [CN]
- 5- LAI, Jinsheng [CN]; ZHOU, Yingsi [CN]; LI, Yingnan [CN]; ZHANG, Jihong [CN]; WANG, Yingying [CN]; LYU, Menglu [CN]; ZHANG, Xiangbo [CN]; ZHAO, Haiming [CN] and SONG, Weibin [CN]
- 6- Kimly IP Service
- 7- KH/P/2022/00016 CN
- 8- Receiving Date: 01/09/2022
CN Filing Date: 15/11/2019 CN Registration Number: CN201980014005A
- 9- 201811355943.0 15/11/2018 CN
- 12- 1 March, 2023
- 13- CRISPR-CAS12J ENZYME AND SYSTEM
- 14-
- 15-

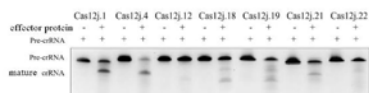


Figure 1

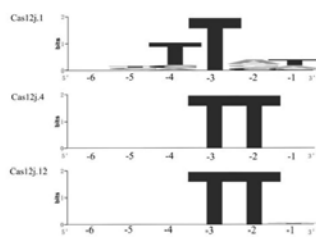
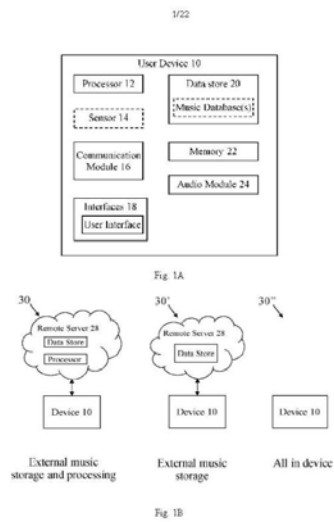


Figure 2A

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- 16- A61K 35/12, A61K 48/00, C12N 15/113, C12N 15/52, C12N 15/62, C12N 15/63, C12N 15/90, C12N 9/22

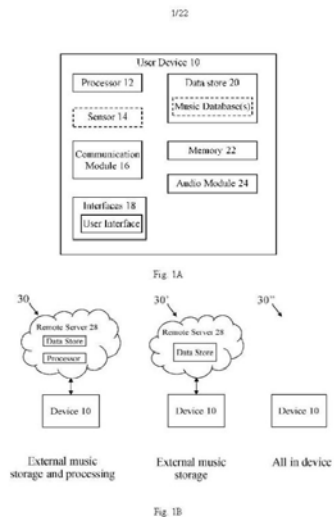
- ១- KH/P/២០២៣/០០០០១ CN
- ២- ខ
- ៣- ០០៤៣៩
- ៤- LIFESCORE LIMITED [GB]
- ៥- SHEPPARD, Philip David [GB]
- ៦- ANGKOR IP AGENT
- ៧- KH/P/២០២៣/០០០០១ CN
- ៨- Receiving Date: ២០/០៣/២០២៣
CN Filing Date: ៣០/០៦/២០១៧ CN Registration Number:
២០១៧៨០០៥២១៣៩.២
- ៩- 1611453.0 30/06/2016 GB
- ១០- ថ្ងៃទី១៤ ខែមិថុនា ឆ្នាំ២០២៤
- ១១- APPARATUS AND METHODS FOR CELLULAR COMPOSITIONS
- ១២- Broadly speaking, embodiments of the present invention provide systems, methods and apparatus for cellular compositions/generating music in real-time using cells (i.e. short musical motifs), where the cellular compositions are dependent on user data. [FIGURE 3]
- ១៣-



១៤- G10H 1/00, G10H 1/38

- 1- KH/P/2023/00001 CN
- 2- B
- 3- 00446
- 4- LIFESCORE LIMITED [GB]
- 5- SHEPPARD, Philip David [GB]
- 6- ANGKOR IP AGENT
- 7- KH/P/2023/00001 CN
- 8- Receiving Date: 20/03/2023
CN Filing Date: 30/06/2017 CN Registration Number: 201780052139.2
- 9- 1611453.0 30/06/2016 GB
- 12- 14 June, 2024
- 13- APPARATUS AND METHODS FOR CELLULAR COMPOSITIONS
- 14- Broadly speaking, embodiments of the present invention provide systems, methods and apparatus for cellular compositions/generating music in real-time using cells (i.e. short musical motifs), where the cellular compositions are dependent on user data. [FIGURE 3]

15-

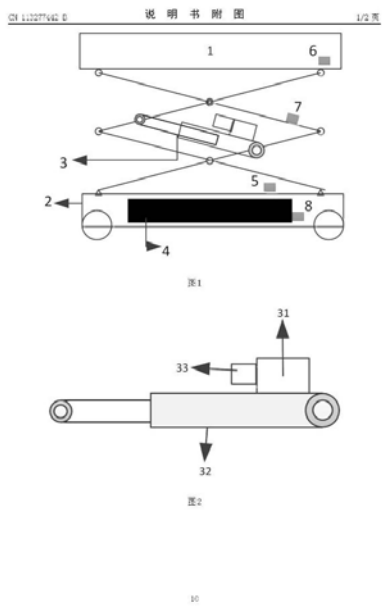


16- G10H 1/00, G10H 1/38

- ១- KH/P/២០២៣/០០០០២ CN
- ២- ខ
- ៣- ០០៤៤៦
- ៤- JIANGSU ADVANCED CONSTRUCTION MACHINERY INNOVATION CENTER LTD. [CN]
- ៥- LIU, Jichao [CN]; WANG, Hongqiang [CN]; LI, Huaiyi [CN] and CHANG, Kui [CN]
- ៦- Kimly IP Service
- ៧- KH/P/២០២៣/០០០០២ CN
- ៨- Receiving Date: ០៤/០៤/២០២៣
CN Filing Date: ២០/០៤/២០២១ CN Registration Number:
២០២១១០៦៥៦៦៩៩.៧
- ៩- 202110656699.7 11/06/2021 CN
- ១០- ថ្ងៃទី២៦ ខែកញ្ញា ឆ្នាំ២០២៤
- ១១- ENERGY RECOVERY CONTROL METHOD AND SYSTEM FOR FULLY-ELECTRIC AERIAL WORK PLATFORM
- ១២- Disclosed are an energy recovery control method and system for a full-electric aerial work platform, which determine whether an energy recovery mode or a common descending mode is adopted during the descending process of the work platform according to the height, speed and load of the work platform and the state of a vehicle, and control the descending safety and stability in real time. The energy recovery control method and system for a full-electric aerial work platform solve the problems of complicated hydraulic oil circuits, low overall recovery efficiency and high requirements for installation space and cost of energy recovery of fork-type aerial work platforms based on electro-hydraulic driving in the prior art; descending potential energy is used to drag a lifting motor assembly reversely, and the potential energy is converted into electric energy to be stored in an energy storage battery, thus realizing energy recovery; the technical solution of the invention adopts electric energy transmission to avoid an energy conversion process, thus increasing electric energy utilization of the vehicle; and recovered energy is recycled through a high-efficiency energy

recovery system, such that the endurance of the vehicle is improved, and the environmentally-friendly operation is realized.

១៣-

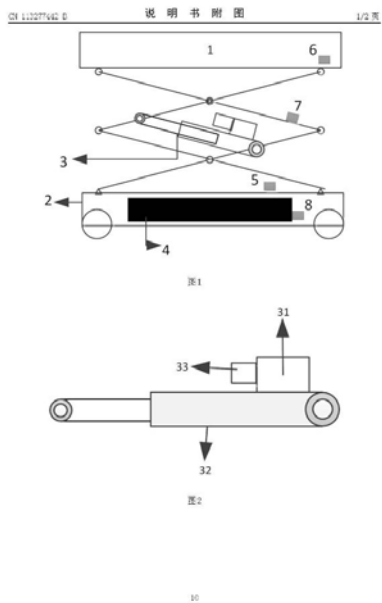


១៤- B66F 11/04, B66F 7/06

- 1- KH/P/2023/00002 CN
- 2- B
- 3- 00446
- 4- JIANGSU ADVANCED CONSTRUCTION MACHINERY INNOVATION CENTER LTD. [CN]
- 5- LIU, Jichao [CN]; WANG, Hongqiang [CN]; LI, Huaiyi [CN] and CHANG, Kui [CN]
- 6- Kimly IP Service
- 7- KH/P/2023/00002 CN
- 8- Receiving Date: 04/04/2023
CN Filing Date: 20/08/2021 CN Registration Number: 202110656699.7
- 9- 202110656699.7 11/06/2021 CN
- 12- 26 September, 2024
- 13- ENERGY RECOVERY CONTROL METHOD AND SYSTEM FOR FULLY-ELECTRIC AERIAL WORK PLATFORM
- 14- Disclosed are an energy recovery control method and system for a full-electric aerial work platform, which determine whether an energy recovery mode or a common descending mode is adopted during the descending process of the work platform according to the height, speed and load of the work platform and the state of a vehicle, and control the descending safety and stability in real time. The energy recovery control method and system for a full-electric aerial work platform solve the problems of complicated hydraulic oil circuits, low overall recovery efficiency and high requirements for installation space and cost of energy recovery of fork-type aerial work platforms based on electro-hydraulic driving in the prior art; descending potential energy is used to drag a lifting motor assembly reversely, and the potential energy is converted into electric energy to be stored in an energy storage battery, thus realizing energy recovery; the technical solution of the invention adopts electric energy transmission to avoid an energy conversion process, thus increasing electric energy utilization of the vehicle; and recovered energy is recycled through a high-efficiency energy recovery system, such that the endurance of the vehicle is improved, and the

environmentally-friendly operation is realized.

15-



16- B66F 11/04, B66F 7/06

- ១- KH/P/២០២៣/០០០០៣ CN
- ២- ខ
- ៣- ០០៤១៩
- ៤- SSI NEW MATERIAL (ZHENJIANG) CO., LTD [CN]
- ៥- Lei ZHANG [CN]; Mingbo GUO [CN]; Renkun LIU [CN]; Junjie ZHAO [CN]; Chang GONG [CN] and Yuanhong MA [CN]
- ៦- VNP Law Office
- ៧- KH/P/២០២៣/០០០០៣ CN
- ៨- Receiving Date: ១៩/០៤/២០២៣
CN Filing Date: ២៦/០៣/២០២១ CN Registration Number:
២០២១១០៣២៤១១៧.៥
- ៩-
- ១០- ថ្ងៃទី៦ ខែតុលា ឆ្នាំ២០២៣
- ១១- HIGH-TEMPERATURE RESISTANT SOUND ABSORBING MATERIAL AND PREPARATION METHOD AND USE THEREOF
- ១២- The present invention provides a high-temperature resistant sound absorbing material and preparation method and use thereof, wherein the raw materials for the high-temperature resistant sound absorbing material comprise porous material microparticles, a binder, an aid, and a solvent; wherein the binder includes a high-temperature resistant binder, or a combination of a high-temperature resistant binder and a low-temperature resistant binder, where the glass transition temperature of the solid component in the high-temperature resistant binder is greater than 50°C, and the glass transition temperature of the solid component in the low-temperature resistant binder is -30°C to 20°C. The high-temperature resistant sound absorbing material or the high-temperature and low-temperature resistant sound absorbing material is filled in a resonant cavity of a speaker of an electronic device, and the high-temperature resistant sound absorbing material or the high-temperature and low-temperature resistant sound absorbing material can be used in a high-temperature environment at 50-150°C for a long time without becoming sticky or agglomeration, while the high-temperature and low-temperature resistant sound absorbing material can also

be used in a low-temperature (-40°C to 0°C) environment for a long time and also has a high reliability in the low-temperature working environment.

១៣- None

១៤- C04B 111/52, C04B 26/10, C04B 26/16, C04B 26/18, C04B 41/63, H04R 9/02, H04R 9/06

- 1- KH/P/2023/00003 CN
- 2- B
- 3- 00447
- 4- SSI NEW MATERIAL (ZHENJIANG) CO., LTD [CN]
- 5- Lei ZHANG [CN]; Mingbo GUO [CN]; Renkun LIU [CN]; Junjie ZHAO [CN];
Chang GONG [CN] and Yuanhong MA [CN]
- 6- VNP Law Office
- 7- KH/P/2023/00003 CN
- 8- Receiving Date: 19/04/2023
CN Filing Date: 26/03/2021 CN Registration Number: 202110324117.5
- 9-
- 12- 6 October, 2023
- 13- HIGH-TEMPERATURE RESISTANT SOUND ABSORBING MATERIAL AND
PREPARATION METHOD AND USE THEREOF
- 14- The present invention provides a high-temperature resistant sound absorbing
material and preparation method and use thereof, wherein the raw materials for
the high-temperature resistant sound absorbing material comprise porous
material microparticles, a binder, an aid, and a solvent; wherein the binder
includes a high-temperature resistant binder, or a combination of a high-
temperature resistant binder and a low-temperature resistant binder, where the
glass transition temperature of the solid component in the high-temperature
resistant binder is greater than 50°C, and the glass transition temperature of the
solid component in the low-temperature resistant binder is -30°C to 20°C. The
high-temperature resistant sound absorbing material or the high-temperature
and low-temperature resistant sound absorbing material is filled in a resonant
cavity of a speaker of an electronic device, and the high-temperature resistant
sound absorbing material or the high-temperature and low-temperature resistant
sound absorbing material can be used in a high-temperature environment at 50-
150°C for a long time without becoming sticky or agglomeration, while the high-
temperature and low-temperature resistant sound absorbing material can also
be used in a low-temperature (-40°C to 0°C) environment for a long time and

also has a high reliability in the low-temperature working environment.

15- None

16- C04B 111/52, C04B 26/10, C04B 26/16, C04B 26/18, C04B 41/63, H04R 9/02,
H04R 9/06

- ១- KH/P/២០២៣/០០០០៤ CN
 - ២- ខ
 - ៣- ០០៤២០
 - ៤- SSI NEW MATERIAL (ZHANJIANG) CO., LTD [CN]
 - ៥- Lei ZHANG [CN]; Mingbo GUO [CN]; Renkun LIU [CN]; Junjie ZHAO [CN];
Chang GONG [CN] and Yuanhong MA [CN]
 - ៦- VNP Law Office
 - ៧- KH/P/២០២៣/០០០០៤ CN
 - ៨- Receiving Date: ១៩/០៤/២០២៣
CN Filing Date: ២៦/០៣/២០២១ CN Registration Number:
២០២១១០៣២៤១១៦.០
 - ៩-
 - ១០- ថ្ងៃទី៦ ខែតុលា ឆ្នាំ២០២៣
 - ១១- LOW-TEMPERATURE RESISTANT SOUND ABSORBING MATERIAL AND
PREPARATION METHOD AND USE THEREOF
 - ១២- The present invention provides a low-temperature resistant sound absorbing material and preparation method and use thereof, wherein the raw materials for the sound absorbing material include porous material microparticles, a binder and a solvent, in addition to a cold resistant plasticizer and/or a freeze resistant aid; wherein the amount of the porous material microparticles used is 40-60%, the amount of the solvent used is 30-60%, and the amount of the freeze resistant aid used, if any, is 0.5-3.0%, based on 100% of the total weight of the slurry obtained upon mixing of the raw materials; wherein the amount of the binder is 4-12%, based on 100% of the weight of the porous material microparticles; wherein the amount of the cold resistant plasticizer is 5-30%, based on 100% of the total weight of the solid component in the binder; wherein the binder includes one or more of a binder with a core-shell structure and other binders, wherein the solid component of the other binders includes one or more of a polymer having one or more structures of a non-conjugated double bond, an ether bond, and Si-O-Si in the backbone, and a polymer having an alternating structure or a block structure.
 - ១៣- None
 - ១៤- C04B 111/52, C04B 111/76, C04B 26/04
-

- 1- KH/P/2023/00004 CN
 - 2- B
 - 3- 00447
 - 4- SSI NEW MATERIAL (ZHENJIANG) CO., LTD [CN]
 - 5- Lei ZHANG [CN]; Mingbo GUO [CN]; Renkun LIU [CN]; Junjie ZHAO [CN];
Chang GONG [CN] and Yuanhong MA [CN]
 - 6- VNP Law Office
 - 7- KH/P/2023/00004 CN
 - 8- Receiving Date: 19/04/2023
CN Filing Date: 26/03/2021 CN Registration Number: 202110324116.0
 - 9-
 - 12- 6 October, 2023
 - 13- LOW-TEMPERATURE RESISTANT SOUND ABSORBING MATERIAL AND
PREPARATION METHOD AND USE THEREOF
 - 14- The present invention provides a low-temperature resistant sound absorbing material
and preparation method and use thereof, wherein the raw materials for the sound
absorbing material include porous material microparticles, a binder and a solvent, in
addition to a cold resistant plasticizer and/or a freeze resistant aid; wherein the amount
of the porous material microparticles used is 40-60%, the amount of the solvent used is
30-60%, and the amount of the freeze resistant aid used, if any, is 0.5-3.0%, based on
100% of the total weight of the slurry obtained upon mixing of the raw materials; wherein
the amount of the binder is 4-12%, based on 100% of the weight of the porous material
microparticles; wherein the amount of the cold resistant plasticizer is 5-30%, based on
100% of the total weight of the solid component in the binder; wherein the binder
includes one or more of a binder with a core-shell structure and other binders, wherein
the solid component of the other binders includes one or more of a polymer having one
or more structures of a non-conjugated double bond, an ether bond, and Si-O-Si in the
backbone, and a polymer having an alternating structure or a block structure.
 - 15- None
 - 16- C04B 111/52, C04B 111/76, C04B 26/04
-

- ១- KH/P/២០២៣/០០០០៥ CN
- ២- ខ
- ៣- ០០៤២១
- ៤- SSI NEW MATERIAL (ZHENJIANG) CO., LTD [CN]
- ៥- Lei ZHANG [CN]; Mingbo GUO [CN] and Yuanhong MA [CN]
- ៦- VNP Law Office
- ៧- KH/P/២០២៣/០០០០៥ CN
- ៨- Receiving Date: ១៩/០៤/២០២៣
CN Filing Date: ១៥/០៧/២០២២ CN Registration Number:
២០២២១០៨៣០១៣៥.៥
- ៩-
- ១០- ថ្ងៃទី៦ ខែតុលា ឆ្នាំ២០២៣
- ១១- METHOD, SYSTEM, STORAGE MEDIUM AND APPARATUS FOR TESTING MATERIAL ACOUSTIC PROPERTIES
- ១២- The present disclosure provides a method, system, storage medium and apparatus for testing material acoustic properties. The method comprises: acquiring a first sample surface normal interface impedance and a second sample surface normal interface impedance , which are a surface normal interface impedance of a first sample of a to-be-tested material determined based on a result of a testing on the first sample of the to-be-tested material using an impedance tube test apparatus and a surface normal interface impedance of a second sample of the to-be-tested material determined based on a result of a testing on the second sample of the to-be-tested material using the impedance tube test apparatus; and determining one or combinations of a characteristic impedance, a transmission vector, an equivalent mass density, and an equivalent sound velocity of the to-be-tested material based on the first sample surface normal interface impedance and the second sample surface normal interface impedance; wherein a mass of the second sample is twice that of the first sample, a thickness of the second sample is twice that of the first sample, and a density of the second sample is the same as that of the first sample. The method can effectively determine the material acoustic properties

including at least one of the equivalent sound velocity, the equivalent mass density, the transmission vector and the characteristic impedance, and can be suitable for testing the acoustic properties of various materials such as a block, a film, powder and even gas.

១៣-



FIG. 1

១៤- G01N 29/09, G01N 29/44

- 1- KH/P/2023/00005 CN
- 2- B
- 3- 00447
- 4- SSI NEW MATERIAL (ZHENJIANG) CO., LTD [CN]
- 5- Lei ZHANG [CN]; Mingbo GUO [CN] and Yuanhong MA [CN]
- 6- VNP Law Office
- 7- KH/P/2023/00005 CN
- 8- Receiving Date: 19/04/2023
CN Filing Date: 15/07/2022 CN Registration Number: 202210830135.5
- 9-
- 12- 6 October, 2023
- 13- METHOD, SYSTEM, STORAGE MEDIUM AND APPARATUS FOR TESTING MATERIAL ACOUSTIC PROPERTIES
- 14- The present disclosure provides a method, system, storage medium and apparatus for testing material acoustic properties. The method comprises: acquiring a first sample surface normal interface impedance and a second sample surface normal interface impedance , which are a surface normal interface impedance of a first sample of a to-be-tested material determined based on a result of a testing on the first sample of the to-be-tested material using an impedance tube test apparatus and a surface normal interface impedance of a second sample of the to-be-tested material determined based on a result of a testing on the second sample of the to-be-tested material using the impedance tube test apparatus; and determining one or combinations of a characteristic impedance, a transmission vector, an equivalent mass density, and an equivalent sound velocity of the to-be-tested material based on the first sample surface normal interface impedance and the second sample surface normal interface impedance; wherein a mass of the second sample is twice that of the first sample, a thickness of the second sample is twice that of the first sample, and a density of the second sample is the same as that of the first sample. The method can effectively determine the material acoustic properties

including at least one of the equivalent sound velocity, the equivalent mass density, the transmission vector and the characteristic impedance, and can be suitable for testing the acoustic properties of various materials such as a block, a film, powder and even gas.

15-

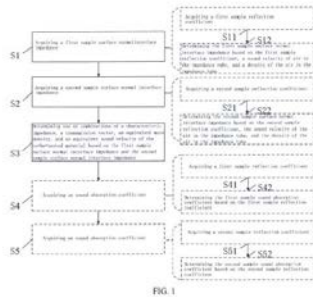


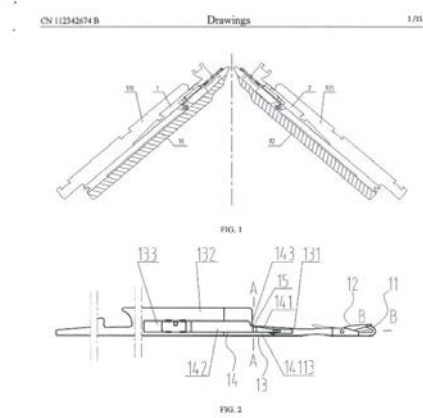
FIG. 1

16- G01N 29/09, G01N 29/44

- ១- KH/P/២០២៣/០០០០៦ CN
- ២- ខ
- ៣- ០០៤៤២
- ៤- FENG JIALIN [CN]; FENG TIANYUAN [CN] and WU YOUQUN [CN]
- ៥- FENG, Jialin [CN]; FENG, Tianyuan [CN] and WU, Youqun [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២៣/០០០០៦ CN
- ៨- Receiving Date: ១១/០៥/២០២៣
CN Filing Date: ២០/១១/២០២០ CN Registration Number:
២០២០១១៣១៤២៩៤.៧
- ៩- 202010035779.6 14/01/2020 CN; 202010068906.2 21/01/2020 CN and
202010794757.8 10/08/2020 CN
- ១០- ថ្ងៃទី២៩ ខែកក្កដា ឆ្នាំ២០២៤
- ១១- មូលប័ណ្ណ
- ១២- The invention relates to a knitting needle. The knitting needle includes a hook, a latch, a shaft provided with a first transfer portion, and a flat spring provided with a second transfer portion and having a front portion bent outward to form a protrusion and a back portion connected to a bottom surface of a recess to form a connecting end. A deformation surface and the protrusion are not exposed outside the recess, or the deformation surface and the protrusion have a portion exposed outside the recess, where the portion exposed outside the recess is elastically pressed into the recess by a needle groove or is located in a depression at a corresponding side of the needle groove. The deformation surface is elastically deformed to drive the protrusion to expand outward, such that a loop hung on the first transfer portion and the second transfer portion is stretched. In addition, the deformation surface and the protrusion sink into the recess in a natural state or when pressed by the needle groove, which reduces the overall width of the knitting needle. Thus, more knitting needles can be provided on a needle plate in a transverse direction to adapt to high-density knitting of a flatbed knitting machine. Furthermore, the portion of the deformation surface and the protrusion exposed outside the recess is located in the

depression at the corresponding side of the needle groove to meet different knitting needs.

១៣-



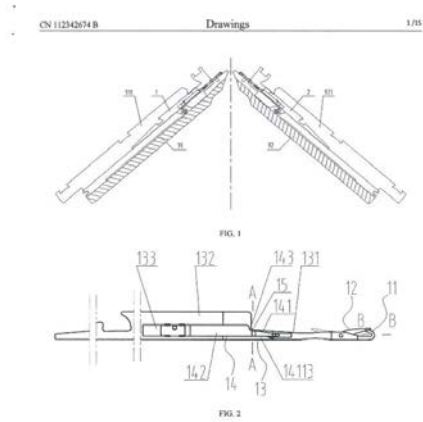
20

១៤- D04B 35/04, D04B 7/04

- 1- KH/P/2023/00006 CN
- 2- B
- 3- 00447
- 4- FENG JIALIN [CN]; FENG TIANYUAN [CN] and WU YOUQUN [CN]
- 5- FENG, Jialin [CN]; FENG, Tianyuan [CN] and WU, Youqun [CN]
- 6- ABACUS IP
- 7- KH/P/2023/00006 CN
- 8- Receiving Date: 11/05/2023
CN Filing Date: 20/11/2020 CN Registration Number: 202011314294.7
- 9- 202010035779.6 14/01/2020 CN; 202010068906.2 21/01/2020 CN and
202010794757.8 10/08/2020 CN
- 12- 29 July, 2024
- 13- KNITTING NEEDLE
- 14- The invention relates to a knitting needle. The knitting needle includes a hook, a latch, a shaft provided with a first transfer portion, and a flat spring provided with a second transfer portion and having a front portion bent outward to form a protrusion and a back portion connected to a bottom surface of a recess to form a connecting end. A deformation surface and the protrusion are not exposed outside the recess, or the deformation surface and the protrusion have a portion exposed outside the recess, where the portion exposed outside the recess is elastically pressed into the recess by a needle groove or is located in a depression at a corresponding side of the needle groove. The deformation surface is elastically deformed to drive the protrusion to expand outward, such that a loop hung on the first transfer portion and the second transfer portion is stretched. In addition, the deformation surface and the protrusion sink into the recess in a natural state or when pressed by the needle groove, which reduces the overall width of the knitting needle. Thus, more knitting needles can be provided on a needle plate in a transverse direction to adapt to high-density knitting of a flatbed knitting machine. Furthermore, the portion of the deformation surface and the protrusion exposed outside the recess is located in the

depression at the corresponding side of the needle groove to meet different knitting needs.

15-



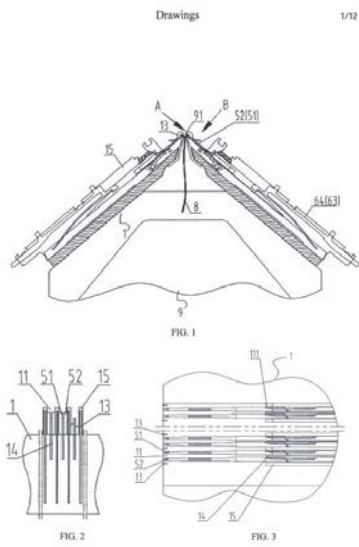
20

16- D04B 35/04, D04B 7/04

- ១- KH/P/២០២៣/០០០០៧ CN
- ២- ខ
- ៣- ០០៤៤៣
- ៤- FENG JIALIN [CN]; FENG TIANYUAN [CN] and WU YOUQUN [CN]
- ៥- FENG, Jialin [CN]; FENG, Tianyuan [CN] and WU, Youqun [CN]
- ៦- ABACUS IP
- ៧- KH/P/២០២៣/០០០០៧ CN
- ៨- Receiving Date: ១១/០៥/២០២៣
CN Filing Date: ២១/០៤/២០២០ CN Registration Number:
២០២០១០៣១៦១០៧.២
- ៩-
- ១០- ថ្ងៃទី២៩ ខែកក្កដា ឆ្នាំ២០២៤
- ១១- NEEDLE BED AND NEEDLE COMBINATION FOR FLAT KNITTING MACHINE AND NEEDLE SELECTION MECHANISM
- ១២- The present disclosure relates a needle bed and needle combination for a flat knitting machine and a needle selection mechanism. The needle bed and needle combination include a needle bed, a plurality of parallel sinkers provided at a front end of the needle bed, knitting needles and stitch elements provided in needle grooves, and a needle selection unit. Two knitting needles are arranged in parallel in the needle groove between every two adjacent sinkers, and are separately configured to make a knit stitch, a tuck stitch and a loop transfer stitch. The stitch element includes a control stitch element and elastic stitch elements. The control stitch element, the elastic stitch elements and the needle selection unit form the needle selection mechanism. Two elastic stitch elements are connected to the two knitting needles, respectively. The control stitch element is located above and engaged with the two elastic stitch elements. The needle selection unit is provided above the two elastic stitch elements, and is configured to operate on the elastic stitch elements. When being operated on, the elastic stitch element is deformed elastically to disengage from the control stitch element, so as to idle the knitting needle connected to the elastic stitch element. With the needle bed and needle combination, the flat knitting machine

with double needle beds can perform normal-gauge three-dimensional knitting.

១៣-



29

១៤- D04B 15/00, D04B 15/36, D04B 15/70, D04B 7/04

- 1- KH/P/2023/00007 CN
- 2- B
- 3- 00447
- 4- FENG JIALIN [CN]; FENG TIANYUAN [CN] and WU YOUQUN [CN]
- 5- FENG, Jialin [CN]; FENG, Tianyuan [CN] and WU, Youqun [CN]
- 6- ABACUS IP
- 7- KH/P/2023/00007 CN
- 8- Receiving Date: 11/05/2023
CN Filing Date: 21/04/2020 CN Registration Number: 202010316107.2
- 9-
- 12- 29 July, 2024
- 13- NEEDLE BED AND NEEDLE COMBINATION FOR FLAT KNITTING MACHINE AND NEEDLE SELECTION MECHANISM
- 14- The present disclosure relates a needle bed and needle combination for a flat knitting machine and a needle selection mechanism. The needle bed and needle combination include a needle bed, a plurality of parallel sinkers provided at a front end of the needle bed, knitting needles and stitch elements provided in needle grooves, and a needle selection unit. Two knitting needles are arranged in parallel in the needle groove between every two adjacent sinkers, and are separately configured to make a knit stitch, a tuck stitch and a loop transfer stitch. The stitch element includes a control stitch element and elastic stitch elements. The control stitch element, the elastic stitch elements and the needle selection unit form the needle selection mechanism. Two elastic stitch elements are connected to the two knitting needles, respectively. The control stitch element is located above and engaged with the two elastic stitch elements. The needle selection unit is provided above the two elastic stitch elements, and is configured to operate on the elastic stitch elements. When being operated on, the elastic stitch element is deformed elastically to disengage from the control stitch element, so as to idle the knitting needle connected to the elastic stitch element. With the needle bed and needle combination, the flat knitting machine with double needle beds can perform normal-gauge three-dimensional knitting.

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Drawings

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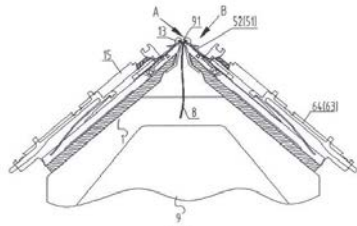


FIG. 1

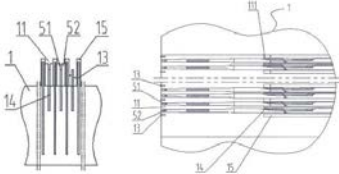


FIG. 2

FIG. 3

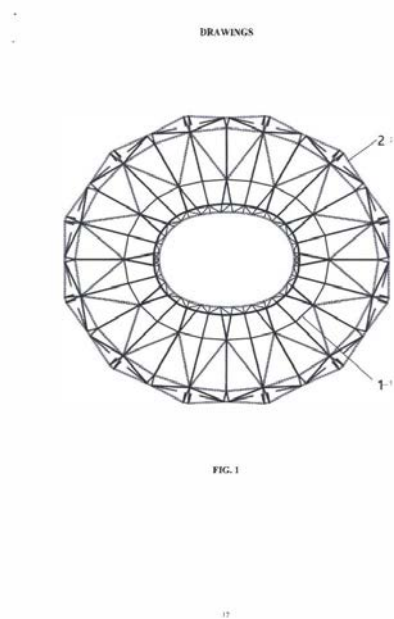
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16- D04B 15/00, D04B 15/36, D04B 15/70, D04B 7/04

- ១- KH/P/២០២៣/០០០១៤ CN
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- ៣- ០០៤៤៥
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- ៦- ABACUS IP
- ៧- KH/P/២០២៣/០០០១៤ CN
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- ១០- ថ្ងៃទី១៩ ខែសីហា ឆ្នាំ២០២៤
- ១១- METHOD FOR SPATIAL VERTICAL ROTATION CONSTRUCTION OF
LARGE-SCALE VENUE STEEL STRUCTURAL ROOFING
- ១២- The present invention discloses a method for the spatial vertical rotation
construction of large-scale venue steel structural roofing. This invention falls
within the field of architectural engineering technology. The method includes the
following steps: dividing the steel structural roof into an inner canopy and an
outer canopy; employing spatial vertical rotation construction for the vertical
rotation structural units within the inner canopy, and utilizing high-altitude bulk
installation for the outer canopy. Commencing construction of the outer canopy
after completion of the main concrete structural framework of the venue.
Installing horizontally interlocking support frameworks on the spectator seating
structure within the venue, and positioning multiple lifting platforms within the
core of the venue. These lifting platforms are connected by transverse
connecting beams. Installing two vertical rotation hinges at the connection points
between the vertical rotation structural units and the outer canopy. Identifying
two anterior tension points on the vertical rotation structural units and installing

tensioning devices. Elevating the vertical rotation structural units to the designated elevation, sealing and welding the vertical rotation hinges, and installing supplementary components between the vertical rotation structural units. This invention enhances the construction efficiency and safety coefficient of large-scale venue steel structural roofs, reducing high-altitude workloads and ensuring construction quality.

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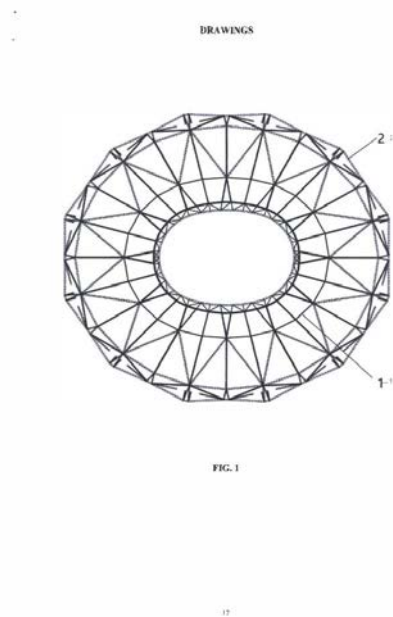


១៤- E04G 21/14, E04G 21/16

- 1- KH/P/2023/00014 CN
- 2- B
- 3- 00447
- 4- China Construction Fourth Engineering Division Corp. Ltd . [CN]
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CN Filing Date: 04/06/2021 CN Registration Number: 202110627140.1
- 9-
- 12- 19 August, 2024
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- 14- The present invention discloses a method for the spatial vertical rotation
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16- E04G 21/14, E04G 21/16
