ព្រះរាជាណាចក្រកម្ពុជា

ជាតិ សាសនា ព្រះមហាក្សត្រ

Kingdom of Cambodia
Nation Religion King

ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍

MINISTRY OF INDUSTRY, SCIENCE, TECHNOLOGY & INNOVATION

ព្រឹត្តិបត្រផ្លូវការ

OFFICIAL GAZETTE

ប្រកាសនីយបត្រតក្កកម្ម និង វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍

PATENT &UTILITY MODEL

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អគ្គនាយកឧស្សាហកម្ម
General Department of Industry
នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម
Department of Industrial Property

ការស្នើសុំផ្តល់ប្រកាសនីយបត្រឥក្ខកម្ម និងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ នៅកម្ពុជា

Application for Grant of Patent & Utility Model Certificate

មាតិការ

ព្រឹត្តិបត្រផ្លូវការ

យោងតាមមាត្រា ១១៩ នៃច្បាប់ស្តីពី ប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ និងគំនូរ ឧស្សាហក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍មានតួនាទីចុះផ្សាយនៅក្នុងព្រឹត្តិបត្រផ្លូវការ នូវរាល់ពត៌មាន ស្តីពីការ ស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា ។

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

ការបោះពុម្ពផ្សាយអំពីពត៌មាននៃការដាក់ពាក្យស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្ម និងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា មានគោលបំណងផ្សព្វផ្សាយ ដើម្បីផ្តល់ដល់សាធារណជន ឱ្យបានដឹងថាតក្កកម្មដែលបានចុះផ្សាយនេះ ត្រូវបានដាក់ស្នើសុំការពារសិទ្ធិកម្មសិទ្ធិបញ្ញានៅក្នុងព្រះរាជាណាចក្រកម្ពុជាឬបានផ្តល់ ប្រកាសនីយបត្រតក្កកម្មការពារ តក្កកម្មនៅកម្ពុជាអនុលោម តាមច្បាប់ជាធរមាន ឬដាក់ពាក្យស្នើសុំទាំងនេះត្រូវបានលុបចោលដោយភាព ឬសុំដកយកទៅវិញ ។ ដូចនេះសាធារណជនអាចយល់ដឹងបានថាតក្កកម្មទាំងនេះមិនត្រូវបានអនុញ្ញាតឱ្យលួចចម្លង ឬយកទៅធ្វើអាជីវកម្មតាមវិធីណាមួយដោយគ្មានការយល់ព្រមពីម្ចាស់សិទ្ធិបានឡើយ។សាធារណជនអាចធ្វើការប្តឹងជំទាស់ចំពោះពាក្យសុំណាដែលមិនសម ស្រប ឬមិនដាក់លាក់។

ព្រឹត្តិបត្រនេះត្រូវបានបោះពុម្ពជា គឺ ភាសាខ្មែរ តែក៏មានប្រើប្រាស់ភាសាអង់គ្លេស ផងដែរ។ ព្រឹត្តបត្រនេះត្រូវបានចែកចេញជាពីរផ្នែកគឺ ៖

១-ការស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្មកម្ពុជា

១.១ ការបោះពុម្ពប្រភេទ **ក**

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ពាក្យស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្មនៅកម្ពុជា ដោយមិនទាន់បានផ្តល់ប្រកាសនីយបត្រតក្កកម្មនៅកម្ពុជា នៅឡើយ។

១.២ ការបោះពុម្ពប្រភេទ **ខ**

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្តកម្មនៅកម្ពុជា ហើយដែលបានផ្តល់ប្រកាសនីយបត្រតក្តកម្មកម្ពុជា។

២-ការស្នើសុំផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍កម្ពុជា

២.១ ការបោះពុម្ពប្រភេទ **ក**

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ស្នើសុំផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍នៅកម្ពុជា ដោយមិនទាន់បានផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍នៅកម្ពុជានៅឡើយ។

២.១ ការបោះពុម្ពប្រភេទ **ខ**

គឺជាការបោះពុម្ពផ្សាយសង្ខេបនូវសំណុំលិខិតស្នើសុំដែលបានដាក់ពាក្យស្នើសុំផ្តល់វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍នៅកម្ពុជា ហើយដែលបានផ្តល់វិញ្ញាបនបត្រម៉ដែលមានអត្ថប្រយោជន៍កម្ពុជា ។

៣-ការបោះពុម្ពផ្សាយព្រឹត្តិបត្តិផ្លូវការ

នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម នឹងបោះពុម្ពផ្សាយនូវព្រឹត្តិបត្រផ្លូវការ សប្តាហ៍ដើមខែរៀងរាល់បីខែម្តង។ នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម មានសិទ្ធិគ្រប់គ្រាន់ក្នុងការពន្យារពេលបោះពុម្ពផ្សាយក្នុងករណីចាំបាច់។

ពត៌មានទូទៅ

១-ការដាក់ពាក្យស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្កកម្ម និងវិញ្ញាបនបត្រម៉ដែលមានអត្ថប្រយោជន៍

យោងតាមមាត្រា១៦នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្តកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍និងគំនូរឧស្សាហកម្ម សំណុំលិខិតស្នើសុំផ្តល់ប្រកាសនីយបត្រតក្តកម្មនិងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ត្រូវដាក់ស្នើសុំនៅ នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យានិងនវានុវត្តន៍ ដែលក្នុងនោះរួមមាន ពាក្យសុំ សេចក្តីអធិប្បាយអំពីតក្តកម្ម គំនូរឧស្សាហកម្ម ប្រសិនបើចាំបាច់ និងខ្លឹមសារសង្ខេប និងមានការបង់កម្រៃ ។

យោងតាមមាត្រា១៧នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្តកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍និងគំនូរឧស្សាហកម្ម ពាក្យសុំត្រូវមានបញ្ជាក់អំពីអ្វីដែលអាចឈានទៅដល់ការផ្តល់ប្រកាសនីយបត្រតក្តកម្មបានដូចជា នាម និងទិន្នន័យពាក់ព័ន្ធទៅនឹងអ្នកដាក់ពាក្យសុំ តក្តករ និងភ្នាក់ងារតំណាង ប្រសិនបើមាន និងចំណងជើងនៃតក្តកម្មនោះ ។

ក្នុងករណីអ្នកដាក់ពាក្យសុំមិនមែនជាតក្តករទេ នោះពាក្យសុំត្រូវតែភ្ជាប់មកជាមួយនូវឯកសារបញ្ជាក់អំពីសិទ្ធិ របស់អ្នកដាក់ពាក្យសុំចំពោះប្រកាសនីយបត្រតក្តកម្មនោះ ។

២- ចំនួនឯកសារ និងការតម្រូវរូបសាស្ត្រ

ចំនួនឯកសារ និងការតម្រូវរូបសាស្ត្រមានដូចខាងក្រោម ៖

- សំណុំលិខិតស្នើសុំ និងឯកសារភ្ជាប់ជាមួយ ត្រូវដាក់ចំនួន ២ ច្បាប់ ។
- ឯកសារទាំងអស់នៃសំណុំលិខិតស្នើសុំ ត្រូវតែបង្ហាញផងដែរ អំពីការអនុញ្ញាតឱ្យផលិតសារជាថ្មី តែម្តងដោយរូបថត ដំណើរការអេឡិចត្រូស្តាទិក បោះពុម្ពតាមរបៀបអូហ្វសិត និងការធ្វើមីក្រូហ្វីល។ អនុញ្ញាតឱ្យប្រើប្រាស់សន្លឹកក្រដាសតែម្ខាងសម្រាប់រៀបចំសំណុំលិខិតស្នើសុំ។
- ឯកសារទាំងអស់នៃសំណុំលិខិតស្នើសុំ ត្រូវតែសរសេរលើក្រដាសដែលងាយបត់បាន មាំមិន ងាយរហែក ព័ណស រលោង មិនភ្លឺចាំង និងរក្សាទុកបានយូរ ។
- ទំហំក្រដាស ត្រូវយកទំហំ អា៤ (២៩,៧ ស.ម ×២១ ស.ម)។
- អត្ថបទទាំងឡាយនៃសំណុំលិខិតស្នើសុំ ត្រូវរៀបអង្គុយលើលេខ ឬកុំព្យូទ័រ ។ រីឯនិមិត្តសញ្ញាក្រាហ្វីក រូបមន្តគីមី ឬរូបមន្តគណិតវិទ្យា និងលក្ខណៈពិសេសផ្សេងទៀត អាចត្រូវបានអនុញ្ញាតឱ្យសរសេរដៃ ឬគូសបាន ប្រសិនបើចាំ បាច់ ។
- គំនូសបង្ហាញត្រូវគូសបន្ទាត់ឱ្យបានជាប់ឃ្យូរ ព័ណខ្មៅ ដិតល្មម និងចាស់ល្មមមានកម្រាស់ស្មើៗគ្នា ច្បាស់ល្អ និងមិន គ្រើម ព្រមទាំងមិនផាត់ព័ណធម្មជាតិ ។

៣- សុពលភាព នៃកាលបរិច្ឆេទអាទិភាព

យោងតាមមាត្រា ២៧, មាត្រា ២៨ និងមាត្រា ២៩ នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្ម វិញ្ញាបនបត្រ ម៉ូដែលមានអត្ថប្រយោជន៍ និងចុះបញ្ជីគំនូរឧស្សាហកម្ម ចំពោះសិទ្ធិអាទិភាពនៃសុំណុំលិខិតស្នើសុំ ដែលបានចុះបញ្ជីមុនគេ ដោយអ្នកដាក់ពាក្យសុំ ឬដោយអ្នកស្នងជំនួសឱ្យបុព្វជនរបស់ពួកគេ នៅក្នុងប្រទេសមួយ ឬច្រើន ដែលប្រទេសទាំងនោះ ជាសមាជិកអនុសញ្ញាទីក្រុងប៉ារីស ឬអង្គការពាណិជ្ជកម្មពិភពលោក មានសុពលភាព ១២ខែ ចាប់ពីកាលបរិច្ឆេទស្នើសុំចុះបញ្ជី នៅប្រទេសដែលបានដាក់ពាក្យជំបូង។

៤-រយៈពេលនៃការការពារប្រកាសនីយបត្រតក្កកម្ម និងវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍

យោងតាមមាត្រា៤៥នៃច្បាប់ស្តីពីប្រកាសនីយបត្រតក្កកម្មវិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ និងគំនូរឧស្សាហកម្ម ប្រកាសនីយបត្រតក្កកម្មមានសុពលភាព ២០ឆ្នាំ គិតចាប់ពីកាលបរិច្ឆេទស្នើសុំចុះបញ្ជីនៃការស្នើសុំ ប្រកាសនីយបត្រតក្កកម្ម ។

យោងតាមមាត្រា ៧៣ នៃច្បាប់ស្តីពីប្រកាសនីយបត្រគតិកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍ និងគំនូរឧស្សាហកម្ម វិញ្ញាបនបត្រម៉ូដែលមានអត្ថប្រយោជន៍មានសុពលភាពរយៈ៧ឆ្នាំ 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-ការសួរពត៌មាន

សម្រាប់ការសួរពត៌មានទាក់ទងទៅនឹងបញ្ហាផ្សេងៗ ដែលមាននៅក្នុងព្រឹត្តិបត្តិផ្លូវការនេះ សូមទំនាក់ទំនង:

នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម ក្រសួងឧស្សាហកម្ម វិទ្យាសាស្ត្រ បច្ចេកវិទ្យា និងនវានុវត្តន៍
អាសយដ្ឋាន ៖ លេខ ៤៥ ព្រះនរោត្តម ខ័ណ្ឌ ដូនពេញ ភ្នំពេញ
ទូរស័ព្ទលេខ: -០១២ ៨១២ ៤៤៤, ០១២ ៩៨២ ៣៨២
អ៊ីម៉ែល ៖

ព្រឹត្តិបត្រផ្លូវការនេះ អាចរកបាននៅនាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម អាសយដ្ឋាន: លេខ ៤៥ ព្រះនរោត្តម ខ័ណ្ឌ ដូនពេញ ភ្នំពេញ។

នាយកដ្ឋានកម្មសិទ្ធិឧស្សាហកម្ម សូមទទួលនូវការស្វាគមន៍ជានិច្ចចំពោះការផ្តល់យោបល់ការកែតម្រូវនានា ក្នុងគោលបំណងធ្វើឱ្យការបោះពុម្ពផ្សាយនេះកាន់តែមានភាពប្រសើរឡើង ។

សូមអរគុណ !

កំណត់សំគាល់

ការបោះពុម្ពផ្សាយ ខ

Publication B

១-លេខបោះពុម្ពផ្សាយ	1-Publication number
២- ប្រភេទនៃការបោះពុម្ពផ្សាយ	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-Filling 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- ចំណាត់ថ្នាក់ប្រកានីយបត្រតក្កកម្មអន្តរជាតិ	14-International Patent Classification

ការចោះពុម្ពផ្សាយ
ប្រកាសនីយបត្រតម្កាកម្ម
សិង្ហបុរី

PUBLICATION OF SINGAPORE PATENT

(១)- KH/P/២០១៦/០០០០១ SG

(២)- ខ

(៣)- ០០០០១

(៤)- GREENRAIL S.R.L [IT]

(៥)- DE LISI, Giovanni Maria [IT]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៦/០០០០១ SG

(៨)- Receiving Date: ១៦/០៨/២០១៦

SG Filing Date: ១៣/០៩/២០១៤ SG Registration Number: ១១២០១៥០៥៣១២Y

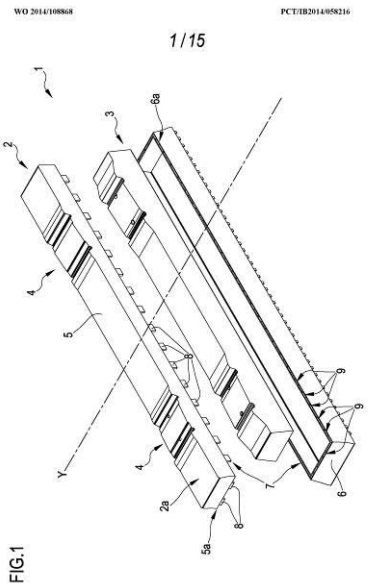
(៩)- 13425007.5 14/01/2013 EP

(១០)- ថ្ងៃទី១៨ ខែតុលា ឆ្នាំ២០១៦

(១១)- COMPOSITE RAILWAY SLEEPER

(១២)- A composite railway sleeper (1; 50; 100) comprising an outer coating shell (2; 51; 101) made of composite plastic material and a shaped structural core (3; 52; 102), made of a material comprising at least concrete contained within said outer coating shell (2; 51; 510; 101), wherein said outer coating shell (2; 51; 510; 101) presents in the upper outer face (2a; 51a; 101a) two distinct and opposite groups of grooves (4; 53) suitable to receive the angular guide plates (G) belonging to pre-assembled elastic type fastening systems (64) for the connection of two respective rails (R) with said railway sleeper (1; 50; 100).

(13)-



(19)- E01B 3/44

1- KH/P/2016/00001 SG

2- B

3- 00001

4- GREENRAIL S.R.L [IT]

5- DE LISI, Giovanni Maria [IT]

6- Kimly IP Service

7- KH/P/2016/00001 SG

8- Receiving Date: 16/08/2016

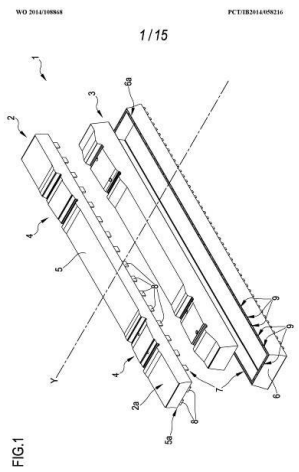
SG Filing Date: 13/01/2014 SG Registration Number: 11201505312Y

9- 13425007.5 14/01/2013 EP

10- 18 October, 2016

11- COMPOSITE RAILWAY SLEEPER

12- A composite railway sleeper (1; 50; 100) comprising an outer coating shell (2; 51; 101) made of composite plastic material and a shaped structural core (3; 52; 102), made of a material comprising at least concrete contained within said outer coating shell (2; 51; 510; 101), wherein said outer coating shell (2; 51; 510; 101) presents in the upper outer face (2a; 51a; 101a) two distinct and opposite groups of grooves (4; 53) suitable to receive the angular guide plates (G) belonging to pre-assembled elastic type fastening systems (64) for the connection of two respective rails (R) with said railway sleeper (1; 50; 100).

13- 

14- E01B 3/44

(19) KH/P/2016/00002 SG

(12) B

(13) 00002

(71) ABBVIE INC. [US]

(72) WOZENCROFT, Robert Michael [GB]; BICKNELL, Stephen [GB]; DIX, Robert [GB]; TSVIRKO, Eduard [US]; CHIM, Edwin [US]; SOMASHEKAR, SHUBHA, CHETHAN [US]; OZDARYAL, Esra [US]; SHANG, Sherwin S. [US]; JULIAN, Joseph F. [US] and LI, Chuan [US]

(74) Kimly IP Service

(11) KH/P/2016/00002 SG

(22) Receiving Date: 16/08/2016

SG Filing Date: 29/09/2016 SG Registration Number: 1120160050080Q

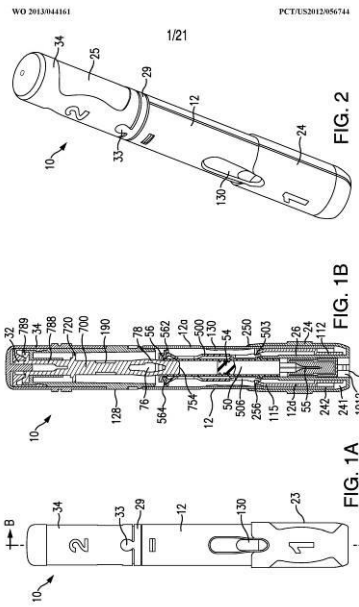
(31) 61/538,098 22/09/2011 US

(30) ថ្ងៃទី១៨ ខែតុលា ឆ្នាំ២០១៦

(54) AUTOMATIC INJECTION DEVICE

(57) Automatic injection device includes a housing, a syringe, a plunger, and a syringe carrier. The housing includes a barrel. The barrel includes an elongated window to allow viewing of contents inside the housing. The syringe is disposed within the housing and has a reservoir. The plunger is at least partially disposed within the syringe and includes a visual indicator. The syringe carrier is disposed within the housing and configured to contain the syringe and displace the syringe within the housing between a first position and a second position. The syringe carrier has a first opening and a second opening. The first opening is configured to align with the window and the reservoir when the syringe carrier is in the first position, and the second opening is configured to align with the window and the visual indicator when the syringe carrier is in the second position.

(៣)-



(៤)- A61M 5/20

1- KH/P/2016/00002 SG

2- B

3- 00002

4- ABBVIE INC. [US]

5- WOZENCROFT, Robert Michael [GB]; BICKNELL, Stephen [GB]; DIX, Robert [GB]; TSVIRKO, Eduard [US]; CHIM, Edwin [US]; SOMASHEKAR, SHUBHA, CHETHAN [US]; OZDARYAL, Esra [US]; SHANG, Sherwin S. [US]; JULIAN, Joseph F. [US] and LI, Chuan [US]

6- Kimly IP Service

7- KH/P/2016/00002 SG

8- Receiving Date: 16/08/2016
SG Filing Date: 21/09/2012 SG Registration Number: 11201400908Q

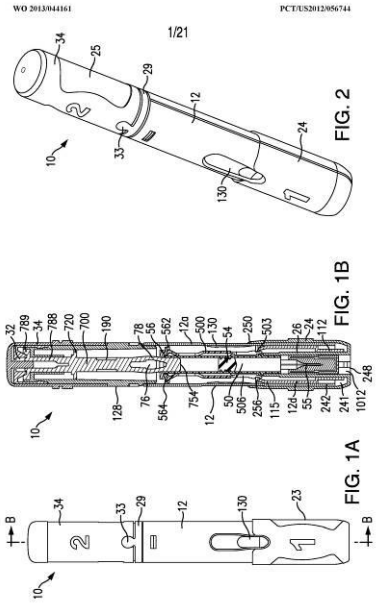
9- 61/538,098 22/09/2011 US

10- 18 October, 2016

11- AUTOMATIC INJECTION DEVICE

12- Automatic injection device includes a housing, a syringe, a plunger, and a syringe carrier. The housing includes a barrel. The barrel includes an elongated window to allow viewing of contents inside the housing. The syringe is disposed within the housing and has a reservoir. The plunger is at least partially disposed within the syringe and includes a visual indicator. The syringe carrier is disposed within the housing and configured to contain the syringe and displace the syringe within the housing between a first position and a second position. The syringe carrier has a first opening and a second opening. The first opening is configured to align with the window and the reservoir when the syringe carrier is in the first position, and the second opening is configured to align with the window and the visual indicator when the syringe carrier is in the second position.

13-



14- A61M 5/20

១- KH/P/២០១៦/០០០០៣ SG

២- ខ

៣- ០០០០៣

៤- SATIAN INDUSTRIES CO., LTD [TH]

៥- LORHPIPAT, Boonchai [TH]

៦- Kimly IP Service

៧- KH/P/២០១៦/០០០០៣ SG

៨- Receiving Date: ១៦/០៨/២០១៦

SG Filing Date: ០៤/០១/២០១៣ SG Registration Number: ១១២០១៤០៣៨៣៣R

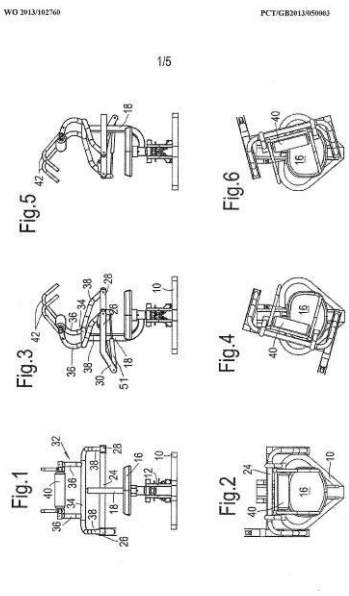
៩- 1200032.9 04/01/2012 GB

១០- ថ្ងៃទី១៨ ខែតុលា ឆ្នាំ២០១៦

១១- EXERCISE MACHINES

១២- Disclosed is an exercise machine comprising an operating member arranged to be movable in a generally horizontal arc about a generally vertical axis against resistance and in a generally vertical arc about a generally horizontal axis against resistance to provide both rotational reciprocal movement for rotary torso and abdominal crunch exercises. The resistance may be provided by unidirectional adjustable hydraulic struts. An embodiment comprises five separate exercising modules arranged and configured to respectively exercise torso, abdominal, chest, shoulder and leg muscle groups, the muscle group exercising modules being disposed to be operated by a user from a single seated position.

(13)-



(14)- A63B 21/00, A63B 21/04, A63B 22/00, A63B 23/02

1- KH/P/2016/00003 SG

2- B

3- 00003

4- SATIAN INDUSTRIES CO., LTD [TH]

5- LORHPIPAT, Boonchai [TH]

6- Kimly IP Service

7- KH/P/2016/00003 SG

8- Receiving Date: 16/08/2016

SG Filing Date: 04/01/2013 SG Registration Number: 11201403833R

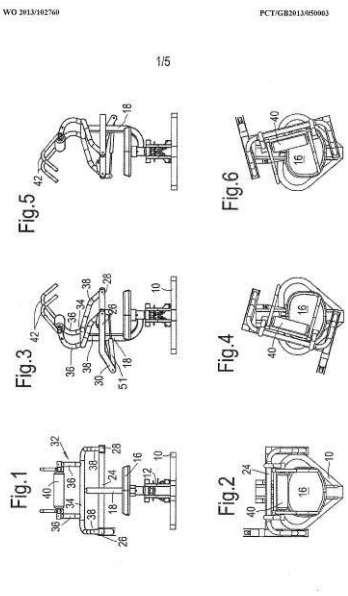
9- 1200032.9 04/01/2012 GB

10- 18 October, 2016

11- EXERCISE MACHINES

12- Disclosed is an exercise machine comprising an operating member arranged to be movable in a generally horizontal arc about a generally vertical axis against resistance and in a generally vertical arc about a generally horizontal axis against resistance to provide both rotational reciprocal movement for rotary torso and abdominal crunch exercises. The resistance may be provided by unidirectional adjustable hydraulic struts. An embodiment comprises five separate exercising modules arranged and configured to respectively exercise torso, abdominal, chest, shoulder and leg muscle groups, the muscle group exercising modules being disposed to be operated by a user from a single seated position.

13-



14- A63B 21/00, A63B 21/04, A63B 22/00, A63B 23/02

(១)- KH/P/២០១៦/០០០០៤ SG

(២)- ខ

(៣)- ០០០៩១

(៤)- SATIAN INDUSTRIES CO., LTD [TH]

(៥)- LORHPIPAT, Boonchai [TH]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៦/០០០០៤ SG

(៨)- Receiving Date: ១៦/០៨/២០១៦

SG Filing Date: ០៣/១០/២០១២ SG Registration Number: ១១២០១៤០១២៤៧W

(៩)- 1117043.8 04/10/2011 GB

(១០)- ថ្ងៃទី២៨ ខែសីហា ឆ្នាំ២០១៧

(១១)- SIDE STRIP FOR TAKRAW AND TAKRAW BALL

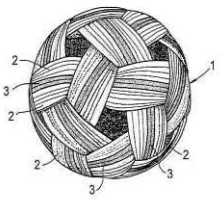
(១២)-

(១៣)-

WO 2013/050423 PCT/EP2012/069545

1/10

Fig.1
PRIOR ART



(១៤)- A63B 39/00

1- KH/P/2016/00004 SG

2- B

3- 00011

4- SATIAN INDUSTRIES CO., LTD [TH]

5- LORHPIPAT, Boonchai [TH]

6- Kimly IP Service

7- KH/P/2016/00004 SG

8- Receiving Date: 16/08/2016

SG Filing Date: 03/10/2012 SG Registration Number: 11201401247W

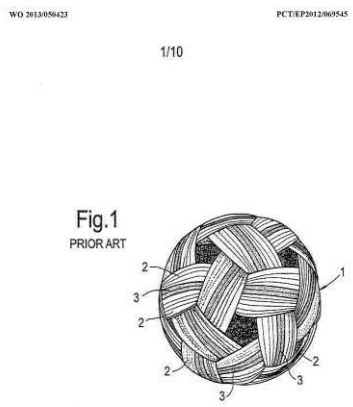
9- 1117043.8 04/10/2011 GB

10- 28 August, 2017

11- SIDE STRIP FOR TAKRAW AND TAKRAW BALL

12-

13-



14- A63B 39/00

(19) KH/P/2016/00005 SG

(12) B

(13) 00004

(14) MARCUS A. KATZ [US]

(15) MARCUS A. KATZ [US]

(16) Kimly IP Service

(17) KH/P/2016/00005 SG

(18) Receiving Date: 16/08/2016

SG Filing Date: 02/09/2008 SG Registration Number: 1020160502665T

(9)

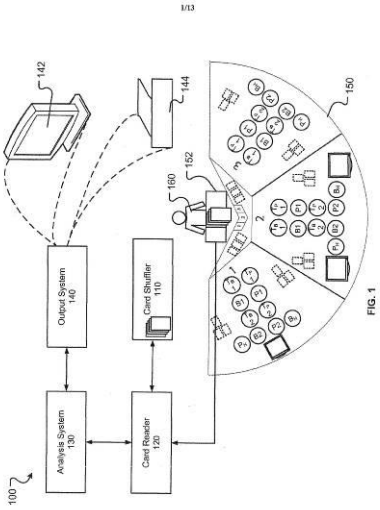
(10) ថ្ងៃទី21 ខែវិច្ឆិកា ឆ្នាំ2016

(11) CARD GAME INTERFACE

(12) Among other things, a system includes a card-game table that includes visually defined regions on a surface of the card-game table to accommodate one or more card hands of each of one or more participants in addition to one or more separate card hands of a house entity. An analysis system is associated with the card table and configured to receive data representing at least a value associated with each card from a group of cards dealt by a dealer to the one or more hands of each participant in addition to the one or more separate hands of the house; process the received data to calculate scores and odds for the one or more hands of each participant in addition to the one or more separate hands of the house, and generate an output signal indicative of the calculated scores and odds.

Fig. 2

(១៣)-



(១៥)- A63F 1/18, A63F 13/00

1- KH/P/2016/00005 SG

2- B

3- 00004

4- MARCUS A. KATZ [US]

5- MARCUS A. KATZ [US]

6- Kimly IP Service

7- KH/P/2016/00005 SG

8- Receiving Date: 16/08/2016

SG Filing Date: 02/01/2009 SG Registration Number: 10201405665T

9-

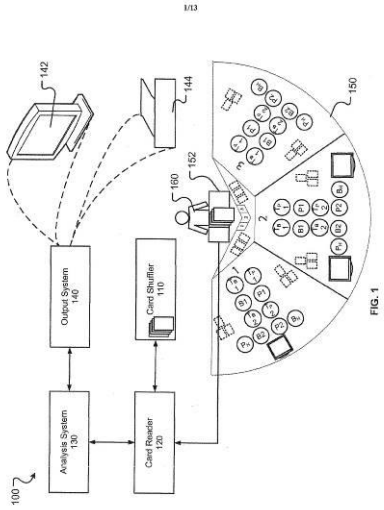
10- 21 November, 2016

11- CARD GAME INTERFACE

12- Among other things, a system includes a card-game table that includes visually defined regions on a surface of the card-game table to accommodate one or more card hands of each of one or more participants in addition to one or more separate card hands of a house entity. An analysis system is associated with the card table and configured to receive data representing at least a value associated with each card from a group of cards dealt by a dealer to the one or more hands of each participant in addition to the one or more separate hands of the house; process the received data to calculate scores and odds for the one or more hands of each participant in addition to the one or more separate hands of the house, and generate an output signal indicative of the calculated scores and odds.

Fig. 2

13-



14- A63F 1/18, A63F 13/00

(19)- KH/P/2016/00007 SG

(12)- B

(13)- 00007

(54)- WEIKE (S) PTE LTD [SG]

(75)- POH PO LIAN [SG] and TAY LAY NGEE [SG]

(74)- Kimly IP Service

(11)- KH/P/2016/00007 SG

(18)- Receiving Date: 22/08/2016

SG Filing Date: 10/09/2015 SG Registration Number: 2015009762

(31)- 1303591.0 28/02/2013 GB

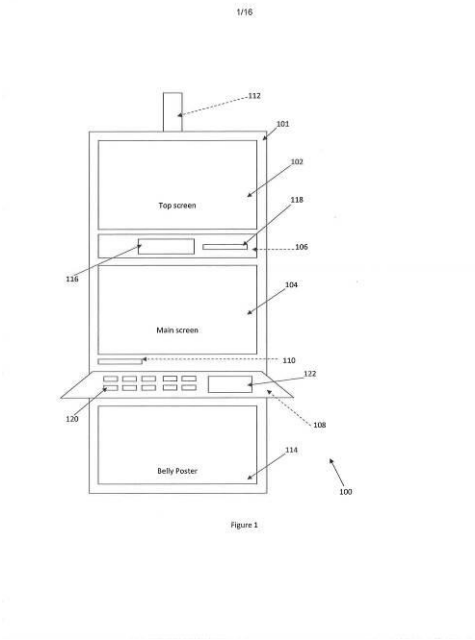
(33)- ថ្ងៃទី១១ ខែឧសភា ឆ្នាំ២០១៧

(54)- A GAMING MACHINE AND A METHOD OF GENERATING A FOCUS AREA

(57)- A gaming machine and a method of generating a focus area may be provided, the gaming machine comprising a game module for operating a game area, the game module being capable of randomly generating in the game area one or more game elements from a plurality of predetermined game elements; a play module for allowing selection of a play area in association with the game area; a trigger module for monitoring the selected play area, the trigger module being capable of generating a trigger signal based on whether the selected play area contains randomly generated game elements that match at least one of a set of predetermined conditions; and wherein the play module is configured to detect a boundary of the selected play area and to emphasise the selected play area, based on the detected boundary, against any unselected portions of the game area such that the selected play area becomes a focus area

FIG. 5

(13)-



(15)- G07F 17/32

1- KH/P/2016/00007 SG

2- B

3- 00007

4- WEIKE (S) PTE LTD [SG]

5- POH PO LIAN [SG] and TAY LAY NGEE [SG]

6- Kimly IP Service

7- KH/P/2016/00007 SG

8- Receiving Date: 22/08/2016

SG Filing Date: 10/01/2014 SG Registration Number: 2014001762

9- 1303591.0 28/02/2013 GB

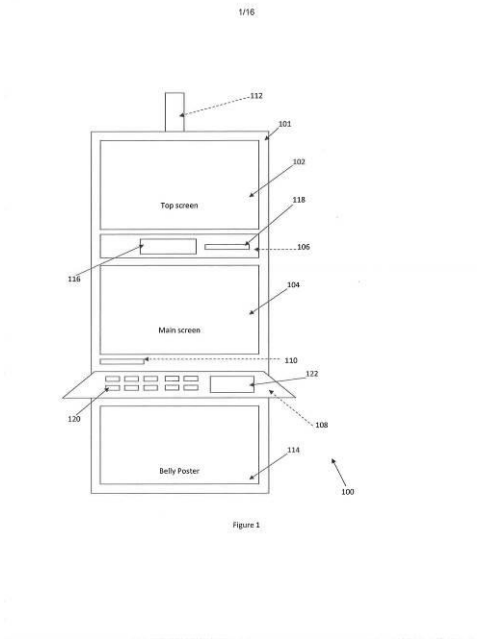
10- 11 May, 2017

11- A GAMING MACHINE AND A METHOD OF GENERATING A FOCUS AREA

12- A gaming machine and a method of generating a focus area may be provided, the gaming machine comprising a game module for operating a game area, the game module being capable of randomly generating in the game area one or more game elements from a plurality of predetermined game elements; a play module for allowing selection of a play area in association with the game area; a trigger module for monitoring the selected play area, the trigger module being capable of generating a trigger signal based on whether the selected play area contains randomly generated game elements that match at least one of a set of predetermined conditions; and wherein the play module is configured to detect a boundary of the selected play area and to emphasise the selected play area, based on the detected boundary, against any unselected portions of the game area such that the selected play area becomes a focus area

FIG. 5

13-



14- G07F 17/32

(១)- KH/P/២០១៦/០០០០៩ SG

(២)- ខ

(៣)- ០០០០៦

(៥)- DOLBY LABORATORIES LICENSING CORPORATION [US]

(៥)- DEMOS, GARY, A. [US]

(៦)- TILLEKE & GIBBINS (CAMBODIA) LTD.,

(៧)- KH/P/២០១៦/០០០០៩ SG

(៨)- Receiving Date: ០៥/១០/២០១៦

SG Filing Date: ២៧/០៦/២០០៣ SG Registration Number: ២០០៥០៥៧៩០៧

(៩)- 10/187,395 28/06/2002 US

(១០)- ថ្ងៃទី២៦ ខែធ្នូ ឆ្នាំ២០១៦

(១១)- IMPROVED INTERPOLATION OF VIDEO COMPRESSION FRAMES

(១២)- A method, system, and computer programs for improving the image quality of one or more predicted frames in a video image compression system, where each frame comprises a plurality of pixels (fig. 8, item 802). A picture region of macroblock of certain types of frames can be encoded by reference to one or more referenceable frames in some cases, and by reference to two or more refenenceable frames in other cases (fig. 8, item 802'). Such encoding may include interpolation, such as an unequal weighting (fig. 8, item 820). The DC value or AC pixel values of a picture region may be interpolated as well, with or without weighting (fig. 8, item 818). A code pattern of such frames having a variable number of bidirectional predicted frames can be dynamically determined. Frames can be transmitted from an encoder to a decoder in a delivery order different from a display order. Sharpening and/or softening filters can be applied to a picture region of certain frames during motion vector compensated prediction

(13)-

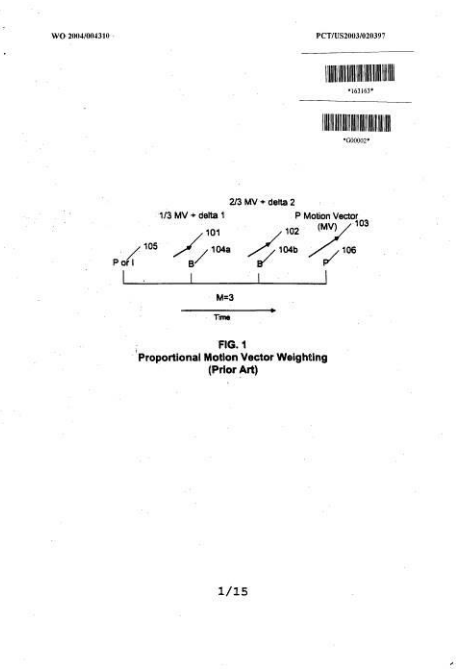


FIG. 1
Proportional Motion Vector Weighting
(Prior Art)

(19)- H04N 1/417, H04N 7/32, H04N 7/50

1- KH/P/2016/00009 SG

2- B

3- 00006

4- DOLBY LABORATORIES LICENSING CORPORATION [US]

5- DEMOS, GARY, A. [US]

6- TILLEKE & GIBBINS (CAMBODIA) LTD.,

7- KH/P/2016/00009 SG

8- Receiving Date: 05/10/2016

SG Filing Date: 27/06/2003 SG Registration Number: 2004057907

9- 10/187,395 28/06/2002 US

10- 26 December, 2016

11- IMPROVED INTERPOLATION OF VIDEO COMPRESSION FRAMES

12- A method, system, and computer programs for improving the image quality of one or more predicted frames in a video image compression system, where each frame comprises a plurality of pixels (fig. 8, item 802). A picture region of macroblock of certain types of frames can be encoded by reference to one or more referenceable frames in some cases, and by reference to two or more refenenceable frames in other cases (fig. 8, item 802'). Such encoding may include interpolation, such as an unequal weighting (fig. 8, item 820). The DC value or AC pixel values of a picture region may be interpolated as well, with or without weighting (fig. 8, item 818). A code pattern of such frames having a variable number of bidirectional predicted frames can be dynamically determined. Frames can be transmitted from an encoder to a decoder in a delivery order different from a display order. Sharpening and/or softening filters can be applied to a picture region of certain frames during motion vector compensated prediction

13-

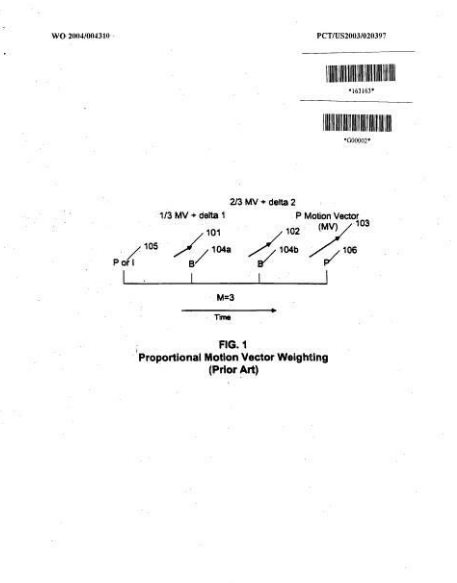


FIG. 1
Proportional Motion Vector Weighting
(Prior Art)

1/15

14- H04N 1/417, H04N 7/32, H04N 7/50

១- KH/P/២០១៦/០០០១១ SG

២- ខ

៣- ០០០០៥

៤- DOLBY LABORATORIES LICENSING CORPORATION [US]

៥- TRUMAN, MICHAEL, MEAD [US] and VINTON, MARK, STUART [US]

៦- B.N.G. Co. Ltd.

៧- KH/P/២០១៦/០០០១១ SG

៨- Receiving Date: ១៣/១០/២០១៦

SG Filing Date: ២១/០៣/២០០៣ SG Registration Number: ២០០៣០៦៩៨១២

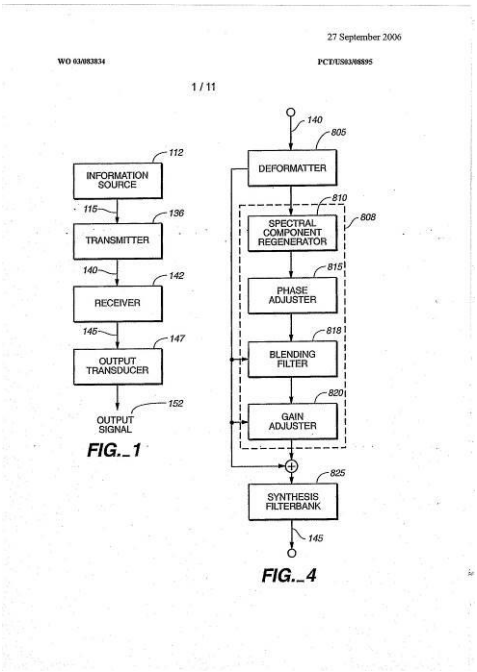
៩- 10/113,858 28/03/2002 US

១០- ថ្ងៃទី៨ ខែធ្នូ ឆ្នាំ២០១៦

១១- RECONSTRUCTION OF THE SPECTRUM OF AN AUDIO SIGNAL WITH INCOMPLETE SPECTRUM BASED ON FREQUENCY TRANSLATION

១២- An audio signal is conveyed more efficiently by transmitting or recording a baseband of the signal with an estimated spectral envelope and a noise-blending parameter derived from a measure of the signal's noise-like quality. The signal is reconstructed by translating spectral components of the baseband signal to frequencies outside the baseband, adjusting phase of the regenerated components to maintain phase coherency, adjusting spectral shape according to the estimated spectral envelope, and adding noise according to the noise-blending parameter. Preferably, the transmitted or recorded signal also includes an estimated temporal envelope that is used to adjust the temporal shape of the reconstructed signal.

១៣-



១៤- G10L 21/02

1- KH/P/2016/00011 SG

2- B

3- 00005

4- DOLBY LABORATORIES LICENSING CORPORATION [US]

5- TRUMAN, MICHAEL, MEAD [US] and VINTON, MARK, STUART [US]

6- B.N.G. Co. Ltd.

7- KH/P/2016/00011 SG

8- Receiving Date: 13/10/2016

SG Filing Date: 21/03/2003 SG Registration Number: 2003069812

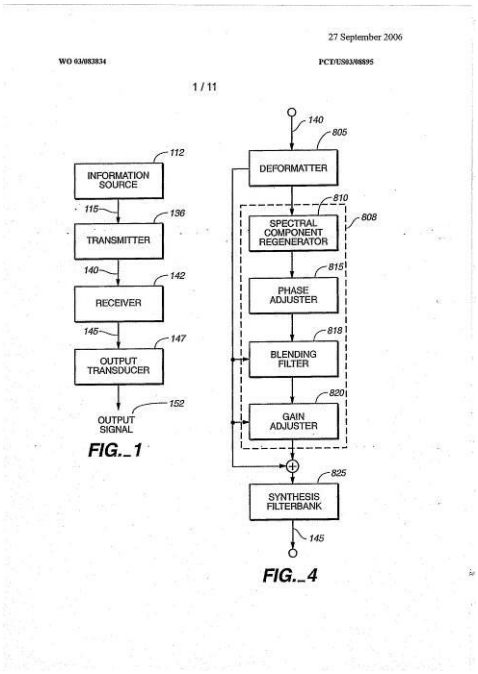
9- 10/113,858 28/03/2002 US

10- 8 December, 2016

11- RECONSTRUCTION OF THE SPECTRUM OF AN AUDIO SIGNAL WITH INCOMPLETE SPECTRUM BASED ON FREQUENCY TRANSLATION

12- An audio signal is conveyed more efficiently by transmitting or recording a baseband of the signal with an estimated spectral envelope and a noise-blending parameter derived from a measure of the signal's noise-like quality. The signal is reconstructed by translating spectral components of the baseband signal to frequencies outside the baseband, adjusting phase of the regenerated components to maintain phase coherency, adjusting spectral shape according to the estimated spectral envelope, and adding noise according to the noise-blending parameter. Preferably, the transmitted or recorded signal also includes an estimated temporal envelope that is used to adjust the temporal shape of the reconstructed signal.

13-



14- G10L 21/02

១- KH/P/២០១៦/០០០១២ SG

២- ខ

៣- ០០០១២

៤- Sun Patent Trust [US]

៥- TAKAHIRO NISHI [JP]; YOUJI SHIBAHARA [JP]; HISAO SASAI [JP]; TOSHIYASU SUGIO [JP]; CHONG SOON LIM [SG]; VIKTOR WAHADANIAH [ID] and SUE MON THET NAING [MM]

៦- Kimly IP Service

៧- KH/P/២០១៦/០០០១២ SG

៨- Receiving Date: ២៨/១០/២០១៦

SG Filing Date: ២១/០២/២០១២ SG Registration Number: ២០១៣០១០២៤៤

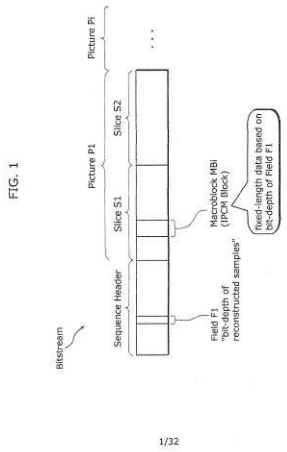
៩- 61/445,258 22/02/2011 US and 61/509,167 19/07/2011 US

១០- ថ្ងៃទី២៨ ខែសីហា ឆ្នាំ២០១៧

១១- IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, IMAGE DECODING APPARATUS, AND IMAGE CODING AND DECODING APPARATUS

១២- Provided is an image encoding method enabling an improvement in encoding efficiency using adaptive bit depth. The image encoding method that encodes an image and generates an encoded stream comprises: a first write step (S1001) for writing a first parameter indicating a first bit depth, which is the bit depth of a reconstructed sample of the image, to a sequence parameter set in the generated encoded stream; and a second write step (S1002) for writing a second parameter that is different to the first diameter and that indicates a second bit depth, which is the bit depth of an Intra Pulse Code Modulation (IPCM) sample of the image, to the sequence parameter set.

(13)-



(15)- H04N 7/26

1- KH/P/2016/00012 SG

2- B

3- 00012

4- Sun Patent Trust [US]

5- TAKAHIRO NISHI [JP]; YOUJI SHIBAHARA [JP]; HISAO SASAI [JP]; TOSHIYASU SUGIO [JP]; CHONG SOON LIM [SG]; VIKTOR WAHADANIAH [ID] and SUE MON THET NAING [MM]

6- Kimly IP Service

7- KH/P/2016/00012 SG

8- Receiving Date: 28/10/2016
SG Filing Date: 21/02/2012 SG Registration Number: 2013010244

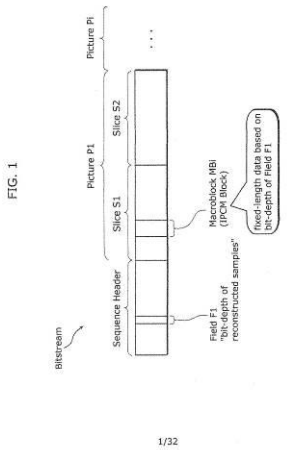
9- 61/445,258 22/02/2011 US and 61/509,167 19/07/2011 US

10- 28 August, 2017

11- IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, IMAGE DECODING APPARATUS, AND IMAGE CODING AND DECODING APPARATUS

12- Provided is an image encoding method enabling an improvement in encoding efficiency using adaptive bit depth. The image encoding method that encodes an image and generates an encoded stream comprises: a first write step (S1001) for writing a first parameter indicating a first bit depth, which is the bit depth of a reconstructed sample of the image, to a sequence parameter set in the generated encoded stream; and a second write step (S1002) for writing a second parameter that is different to the first diameter and that indicates a second bit depth, which is the bit depth of an Intra Pulse Code Modulation (IPCM) sample of the image, to the sequence parameter set.

13-



14- H04N 7/26

(១)- KH/P/២០១៧/០០០០១ SG

(២)- ខ

(៣)- ០០០១៥

(៤)- OPULENT ELECTRONICS INTERNATIONAL PTE LTD
[SG]

(៥)- STONA, ANDREA [IT]; CHAN, SOON THIAM [MY]; TAN, CHYE BOON [MY]; TAN, HAI BOON [MY] and WEE, KAI FOOK, FRANCIS [SG]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៧/០០០០១ SG

(៨)- Receiving Date: ០៣/០១/២០១៧
SG Filing Date: ០២/១១/២០១២ SG Registration Number: ២០១៣០៧០៧៦៨

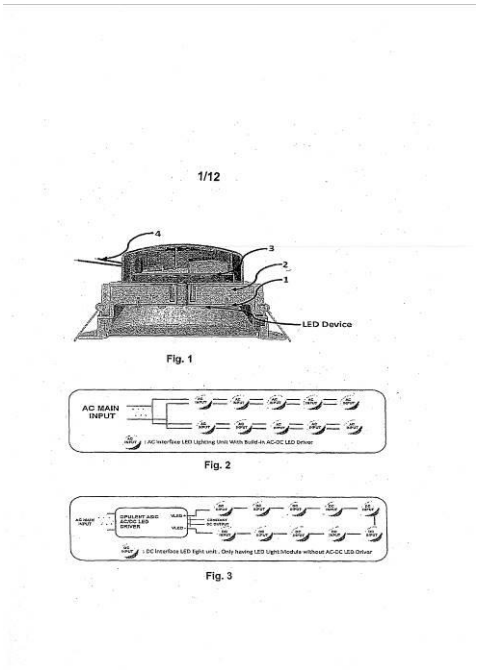
(៩)- 201108173-4 04/11/2011 SG and 201202701-7 13/04/2012 SG

(១០)- ថ្ងៃទី២៦ ខែតុលា ឆ្នាំ២០១៧

(១១)- SYSTEM AND DEVICE FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS

(១២)- A system for driving a plurality of high powered LED units, the system comprising a single driver for providing ripple free constant direct current to a plurality of high powered LED lamp units, wherein the single driver comprises a digital controller programmable to adjust the ripple free constant direct current at every predetermined time interval based on detection and computation of the duration taken for the energy to be discharged to the LED lamp unit to adjust the ripple free constant direct current. The above system achieves a one driver to many LED lamp units such that it alleviates or eliminates the need to have a driver attached to each LED lamp unit.

(13)-



(14)- H05B 33/08

1- KH/P/2017/00001 SG

2- B

3- 00015

4- OPULENT ELECTRONICS INTERNATIONAL PTE LTD
[SG]

5- STONA, ANDREA [IT]; CHAN, SOON THIAM [MY]; TAN, CHYE BOON [MY]; TAN, HAI BOON [MY] and WEE, KAI FOOK, FRANCIS [SG]

6- Kimly IP Service

7- KH/P/2017/00001 SG

8- Receiving Date: 03/01/2017
SG Filing Date: 02/11/2012 SG Registration Number: 2013070768

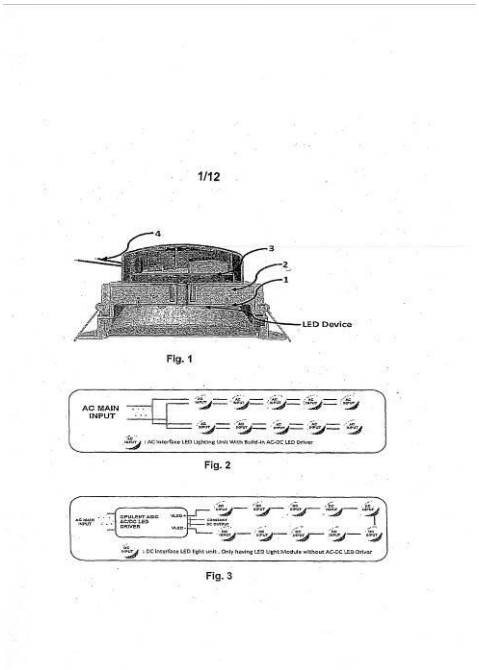
9- 201108173-4 04/11/2011 SG and 201202701-7 13/04/2012 SG

10- 26 October, 2017

11- SYSTEM AND DEVICE FOR DRIVING A PLURALITY OF HIGH POWERED LED UNITS

12- A system for driving a plurality of high powered LED units, the system comprising a single driver for providing ripple free constant direct current to a plurality of high powered LED lamp units, wherein the single driver comprises a digital controller programmable to adjust the ripple free constant direct current at every predetermined time interval based on detection and computation of the duration taken for the energy to be discharged to the LED lamp unit to adjust the ripple free constant direct current. The above system achieves a one driver to many LED lamp units such that it alleviates or eliminates the need to have a driver attached to each LED lamp unit.

13-



14- H05B 33/08

(١)- KH/P/٢٠١٧/٠٠٠٠٢ SG

(٢)- ٤

(٣)- ٠٠٠١٨

(٤)- OPULENT ELECTRONICS INTERNATIONAL PTE LTD
[SG]

(٥)- WEE, KAI FOOK, FRANCIS [SG]; STONA, ANDREA [IT]; GROPPI, LEOPOLDO [IT]; MAN, KWOK WING [CN] and CHONG, FOO WING [MY]

(٦)- Kimly IP Service

(٧)- KH/P/٢٠١٧/٠٠٠٠٢ SG

(٨)- Receiving Date: ١٢/٠١/٢٠١٧
SG Filing Date: ٠٤/٠٦/٢٠١٠ SG Registration Number: ٢٠١١٠٠٤٥٨٢٠

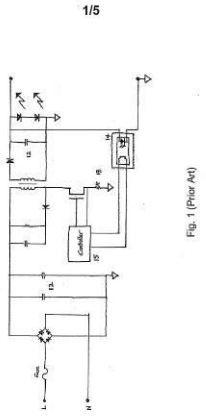
(٩)-

(١٠)- ថ្ងៃទី١٩ ខែធ្នូ ឆ្នាំ٢٠١٧

(١١)- DEVICE AND METHOD FOR DRIVING LEDS

(١٢)- A device and method for providing electrical current to at least one Light Emitting diode (LED) via a switch mode power converter is disclosed. Particularly, the device comprises at least one Integrated Circuit (IC), the IC programmable using a hardware description language; an electronic switch configurable to have a switching time period; an Analogue to Digital converter (ADC), the ADC configured to obtain a digitized voltage input; a voltage comparator, the voltage comparator configured to obtain a discharge time of an inductive element of the switch mode power converter at each time period; wherein in operation, the at least one IC is configured to obtain the digitized voltage input, the discharge time of the inductive element, the desired electrical current, a reference constant, and the switching time period of the electronic switch as inputs and therein calculate the switch-on time of the electronic switch at each switching time period, so that the switch-on time of the electronic switch regulates the electrical current flowing into the at least one LED.

(13)-



(14)- H02M 1/00, H05B 37/02, H05B 43/02

1- KH/P/2017/00002 SG

2- B

3- 00018

4- OPULENT ELECTRONICS INTERNATIONAL PTE LTD
[SG]

5- WEE, KAI FOOK, FRANCIS [SG]; STONA, ANDREA [IT]; GROPPI, LEOPOLDO [IT]; MAN, KWOK WING [CN] and CHONG, FOO WING [MY]

6- Kimly IP Service

7- KH/P/2017/00002 SG

8- Receiving Date: 12/01/2017
SG Filing Date: 04/06/2010 SG Registration Number: 2011045820

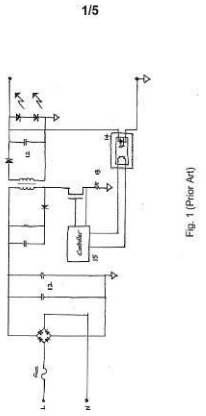
9-

10- 19 December, 2017

11- DEVICE AND METHOD FOR DRIVING LEDS

12- A device and method for providing electrical current to at least one Light Emitting diode (LED) via a switch mode power converter is disclosed. Particularly, the device comprises at least one Integrated Circuit (IC), the IC programmable using a hardware description language; an electronic switch configurable to have a switching time period; an Analogue to Digital converter (ADC), the ADC configured to obtain a digitized voltage input; a voltage comparator, the voltage comparator configured to obtain a discharge time of an inductive element of the switch mode power converter at each time period; wherein in operation, the at least one IC is configured to obtain the digitized voltage input, the discharge time of the inductive element, the desired electrical current, a reference constant, and the switching time period of the electronic switch as inputs and therein calculate the switch-on time of the electronic switch at each switching time period, so that the switch-on time of the electronic switch regulates the electrical current flowing into the at least one LED.

13-



14- H02M 1/00, H05B 37/02, H05B 43/02

(١)- KH/P/٢٠١٧/٠٠٠٠٣ SG

(٢)- ٤

(٣)- ٠٠٠١٠

(٤)- WEIKE (S) PTE LTD [SG]

(٥)- PO LIAN, POH [SG] and LAY NGEE, TAY [SG]

(٦)- Kimly IP Service

(٧)- KH/P/٢٠١٧/٠٠٠٠٣ SG

(٨)- Receiving Date: ٢٥/٠١/٢٠١٧

SG Filing Date: ٣٠/٠٥/٢٠١٣ SG Registration Number: ٢٠١٣٠٨٤٤٥٣

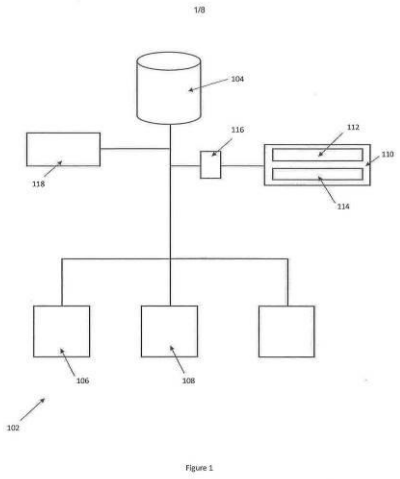
(٩)-

(١٠)- ថ្ងៃទី١١ ខែកក្កដា ឆ្នាំ២០១៧

(١١)- A NETWORK SYSTEM FOR AN EXTERNAL COMMUNAL GAME

(١٢)- A network system and an apparatus for implementing an external game may be provided, the apparatus comprises a first communication link to a plurality of gaming machines, the apparatus capable of identifying participating gaming machines from the plurality of gaming machines via the first communication link; a second communication link to two or more prize pools, the apparatus capable of selecting via the second communication link one or more prize pools for awarding prizes; and wherein the apparatus is arranged to suspend games at the participating gaming machines during implementation of the external game and further arranged to award all participating gaming machines with at least one prize each; further wherein the apparatus is arranged to award at least one participating gaming machine said at least one prize from the selected one or more prize pools.

(13)-



(15)- A63F 13/12, A63F 9/24, G07F 17/32, G07F 17/34

1- KH/P/2017/00003 SG

2- B

3- 00010

4- WEIKE (S) PTE LTD [SG]

5- PO LIAN, POH [SG] and LAY NGEE, TAY [SG]

6- Kimly IP Service

7- KH/P/2017/00003 SG

8- Receiving Date: 25/01/2017

SG Filing Date: 30/05/2013 SG Registration Number: 2013094453

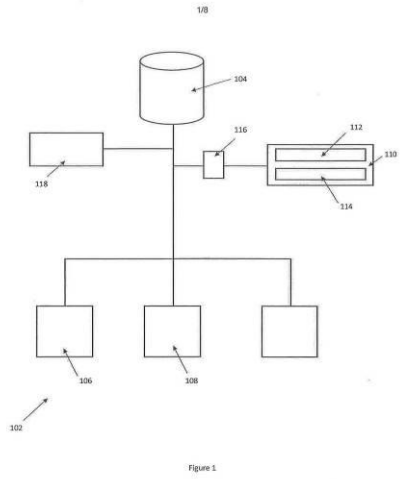
9-

10- 11 July, 2017

11- A NETWORK SYSTEM FOR AN EXTERNAL COMMUNAL GAME

12- A network system and an apparatus for implementing an external game may be provided, the apparatus comprises a first communication link to a plurality of gaming machines, the apparatus capable of identifying participating gaming machines from the plurality of gaming machines via the first communication link; a second communication link to two or more prize pools, the apparatus capable of selecting via the second communication link one or more prize pools for awarding prizes; and wherein the apparatus is arranged to suspend games at the participating gaming machines during implementation of the external game and further arranged to award all participating gaming machines with at least one prize each; further wherein the apparatus is arranged to award at least one participating gaming machine said at least one prize from the selected one or more prize pools.

13-



14- A63F 13/12, A63F 9/24, G07F 17/32, G07F 17/34

(១)- KH/P/២០១៧/០០០០៥ SG

(២)- ខ

(៣)- ០០០០៨

(៥)- DOLBY INTERNATIONAL AB [NL]

(៥)- RESCH, BARBARA [AT]; KJöRLING, KRISTOFER [SE] and VILLEMOES, LARS [DK]

(៦)- B.N.G. Co. Ltd.

(៧)- KH/P/២០១៧/០០០០៥ SG

(៨)- Receiving Date: ០៨/០២/២០១៧

SG Filing Date: ២៣/០៦/២០១១ SG Registration Number: ២០១២០៨៩៨៨៥A

(៩)- 61/361,237 02/07/2010 US

(១០)- ថ្ងៃទី២៥ ខែឧសភា ឆ្នាំ២០១៧

(១១)- SELECTIVE BASS POST FILTER

(១២)- In one aspect, the invention provides an audio encoding method characterized by a decision being made as to whether the device which will decode the resulting bit stream should apply post filtering including attenuation of interharmonic noise. Hence, the decision whether to use the post filter, which is encoded in the bit stream, is taken separately from the decision as to the most suitable coding mode. In another aspect, there is provided an audio decoding method with a decoding step followed by a post-filtering step, including interharmonic noise attenuation, and being characterized in a step of disabling the post filter in accordance with post filtering information encoded in the bit stream signal. Such a method is well suited for mixed-origin audio signals by virtue of its capability to deactivate the post filter in dependence of the post filtering information only, hence independently of factors such as the current coding mode.

๑๓-

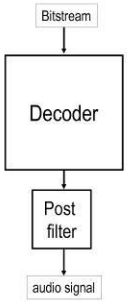


Fig. 1
(prior art)

๑๔- G10L 19/02, G10L 19/107, G10L 19/20, G10L 19/26

1- KH/P/2017/00004 SG

2- B

3- 00008

4- DOLBY INTERNATIONAL AB [NL]

5- RESCH, BARBARA [AT]; KJöRLING, KRISTOFER [SE] and VILLEMOES, LARS [DK]

6- B.N.G. Co. Ltd.

7- KH/P/2017/00004 SG

8- Receiving Date: 08/02/2017

SG Filing Date: 23/06/2011 SG Registration Number: 2012089884A

9- 61/361,237 02/07/2010 US

10- 24 May, 2017

11- SELECTIVE BASS POST FILTER

12- In one aspect, the invention provides an audio encoding method characterized by a decision being made as to whether the device which will decode the resulting bit stream should apply post filtering including attenuation of interharmonic noise. Hence, the decision whether to use the post filter, which is encoded in the bit stream, is taken separately from the decision as to the most suitable coding mode. In another aspect, there is provided an audio decoding method with a decoding step followed by a post-filtering step, including interharmonic noise attenuation, and being characterized in a step of disabling the post filter in accordance with post filtering information encoded in the bit stream signal. Such a method is well suited for mixed-origin audio signals by virtue of its capability to deactivate the post filter in dependence of the post filtering information only, hence independently of factors such as the current coding mode.

13-

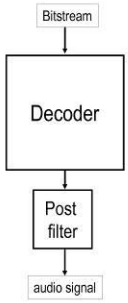


Fig. 1
(prior art)

14- G10L 19/02, G10L 19/107, G10L 19/20, G10L 19/26

(១)- KH/P/២០១៧/០០០០៥ SG

(២)- ខ

(៣)- ០០០០៩

(៤)- DOLBY INTERNATIONAL AB [NL]

(៥)- RESCH, BARBARA [AT]; KJöRLING, KRISTOFER [SE] and VILLEMOES, Lars [DK]

(៦)- B.N.G. Co. Ltd.

(៧)- KH/P/២០១៧/០០០០៥ SG

(៨)- Receiving Date: ០៨/០២/២០១៧

SG Filing Date: ២៣/០៦/២០១១ SG Registration Number: ១០២០១៦០៤៨៦៦V

(៩)- 61/361,237 02/07/2010 US

(១០)- ថ្ងៃទី២៤ ខែឧសភា ឆ្នាំ២០១៧

(១១)- SELECTIVE BASS POST FILTER

(១២)- In one aspect, the invention provides an audio encoding method characterized by a decision being made as to whether the device which will decode the resulting bit stream should apply post filtering including attenuation of interharmonic noise. Hence, the decision whether to use the post filter, which is encoded in the bit stream, is taken separately from the decision as to the most suitable coding mode.

In another aspect, there is provided an audio decoding method with a decoding step followed by a post-filtering step, including interharmonic noise attenuation, and being characterized in a step of disabling the post filter in accordance with post filtering information encoded in the bit stream signal. Such a method is well suited for mixed-origin audio signals by virtue of its capability to deactivate the post filter in dependence of the post filtering information only, hence independently of factors such as the current coding mode.

(១៣)-

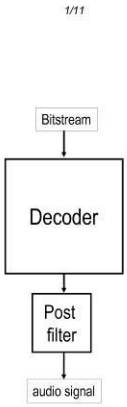


Fig. 1
(prior art)

(១៥)- G10L 19/00, G10L 19/26

1- KH/P/2017/00005 SG

2- B

3- 00009

4- DOLBY INTERNATIONAL AB [NL]

5- RESCH, BARBARA [AT]; KJöRLING, KRISTOFER [SE] and VILLEMOES, Lars [DK]

6- B.N.G. Co. Ltd.

7- KH/P/2017/00005 SG

8- Receiving Date: 08/02/2017

SG Filing Date: 23/06/2011 SG Registration Number: 10201604866V

9- 61/361,237 02/07/2010 US

10- 24 May, 2017

11- SELECTIVE BASS POST FILTER

12- In one aspect, the invention provides an audio encoding method characterized by a decision being made as to whether the device which will decode the resulting bit stream should apply post filtering including attenuation of interharmonic noise. Hence, the decision whether to use the post filter, which is encoded in the bit stream, is taken separately from the decision as to the most suitable coding mode.

In another aspect, there is provided an audio decoding method with a decoding step followed by a post-filtering step, including interharmonic noise attenuation, and being characterized in a step of disabling the post filter in accordance with post filtering information encoded in the bit stream signal. Such a method is well suited for mixed-origin audio signals by virtue of its capability to deactivate the post filter in dependence of the post filtering information only, hence independently of factors such as the current coding mode.

13-

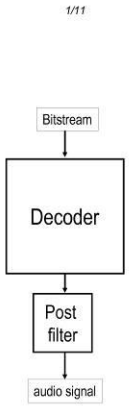


Fig. 1
(prior art)

14- G10L 19/00, G10L 19/26

(១)- KH/P/២០១៧/០០០០៧ SG

(២)- ខ

(៣)- ០០០១៣

(៤)- MY PARTNERS AND GLOBAL STARS INVESTMENTS (MP&GSI) LTD [GB]

(៥)- KLIGMAN, Ilya Vladimirovich [RU]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៧/០០០០៧ SG

(៨)- Receiving Date: ១៣/០២/២០១៧

SG Filing Date: ២៨/១២/២០១២ SG Registration Number: ១១២០១៥០៣៦៧០W

(៩)- 2011154492 30/12/2011 RU

(១០)- ថ្ងៃទី១២ ខែកញ្ញា ឆ្នាំ២០១៧

(១១)- ELECTRONIC CHECK-BASED PAYMENT SYSTEM AND METHODS FOR ISSUING, TRANSFERRING, PAYING AND VERIFYING ELECTRONIC CHECKS

(១២)- The invention relates to the field of information technology, in particular electronic systems and methods for the circulation of funds, and can be used to solve the problem of real-time settlements between users of an electronic payment system. In the present invention, monetary funds are represented by electronic bank cheques payable to bearer, which are in compliance with banking regulations and applicable legislation. Client application units are grouped into modules according to categories that correspond to the status of a user determined by a client and server application authorization unit, wherein a set of parameters for the circulation of cheques can be preselected for each category. When a cheque is issued, legally valid documents are generated and the transactions are reflected in the Register of Movement of Cheques.

១៣-

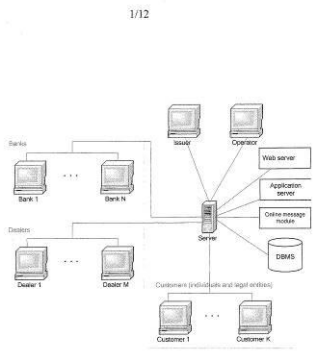


Fig. 1

១៤- G06Q 30/04, G06Q 40/02

1- KH/P/2017/00007 SG

2- B

3- 00013

4- MY PARTNERS AND GLOBAL STARS INVESTMENTS (MP&GSI) LTD [GB]

5- KLIGMAN, Ilya Vladimirovich [RU]

6- Kimly IP Service

7- KH/P/2017/00007 SG

8- Receiving Date: 13/02/2017

SG Filing Date: 28/12/2012 SG Registration Number: 11201403670W

9- 2011154492 30/12/2011 RU

10- 12 September, 2017

11- ELECTRONIC CHECK-BASED PAYMENT SYSTEM AND METHODS FOR ISSUING, TRANSFERRING, PAYING AND VERIFYING ELECTRONIC CHECKS

12- The invention relates to the field of information technology, in particular electronic systems and methods for the circulation of funds, and can be used to solve the problem of real-time settlements between users of an electronic payment system. In the present invention, monetary funds are represented by electronic bank cheques payable to bearer, which are in compliance with banking regulations and applicable legislation. Client application units are grouped into modules according to categories that correspond to the status of a user determined by a client and server application authorization unit, wherein a set of parameters for the circulation of cheques can be preselected for each category. When a cheque is issued, legally valid documents are generated and the transactions are reflected in the Register of Movement of Cheques.

13-

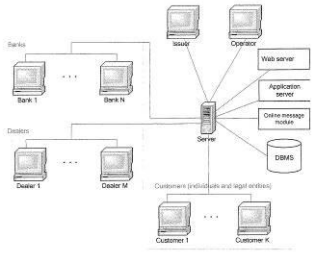


Fig. 1

14- G06Q 30/04, G06Q 40/02

(19)- KH/P/2017/00008 SG

(20)- ខ

(21)- 00019

(54)- CHUA BOON PEN [SG]

(55)- CHUA BOON PEN [SG]

(56)- TILLEKE & GIBBINS(COMBODIA) LTD.,

(57)- KH/P/2017/00008 SG

(58)- Receiving Date: 13/07/2017

SG Filing Date: 10/03/2019 SG Registration Number: 102019005190Q

(59)-

(60)- ថ្ងៃទី12 ខែកញ្ញា ឆ្នាំ2017

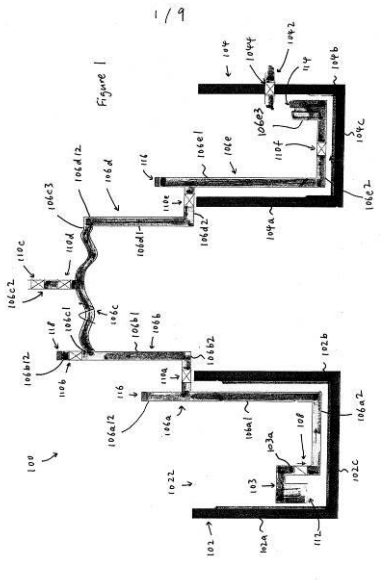
(11)- A METHOD OF PRIMING A DRAINAGE APPARATUS FOR SIPHONING LIQUID, AND A DRAINAGE APPARATUS

(12)- A drainage apparatus 100, 300-800 for siphoning liquid between first and second reservoirs 102,104 is disclosed. In a first embodiment, the apparatus 100 includes a conduit arrangement having a first opening 112 disposed in the first reservoir 102, a second opening 114 disposed in the second reservoir 104 and a liquid injection inlet 106b12 arranged between the first and second openings 112,114, and a plurality of valves 108,110 for controlling flow of the liquid along the conduit arrangement. A method 200 for priming the drainage apparatus 100 comprises directing liquid into the conduit arrangement at 202 via the liquid injection inlet 106b12 to fill up most of the conduit arrangement as controlled by the valves' configuration; directing liquid into the first reservoir 102 at 206 to enable more liquid to enter into the conduit arrangement via the first opening 112 and at 208, to flood the conduit arrangement to form a continuous liquid flow path which extends from the first opening 112 up to at least the second opening 114, the continuous liquid flow path creating a siphon; and with the first opening 112 kept below the liquid's surface level in the first reservoir 102, stopping the flow of liquid into the first reservoir 102 to achieve a state of equilibrium of the siphon at 210 to prime the conduit arrangement. After the

priming and in use, the siphon is triggered when more liquid is added into the first reservoir 102 which causes the added liquid to be siphoned to the second reservoir 104 via the primed conduit arrangement.

[Figure 2]

๑๓-



๑๔- E03F 1/00, E03F 5/20

1- KH/P/2017/00008 SG

2- B

3- 00014

4- CHUA BOON PEN [SG]

5- CHUA BOON PEN [SG]

6- TILLEKE & GIBBINS(COMBODIA) LTD.,

7- KH/P/2017/00008 SG

8- Receiving Date: 13/07/2017

SG Filing Date: 10/03/2014 SG Registration Number: 10201400510Q

9-

10- 12 September, 2017

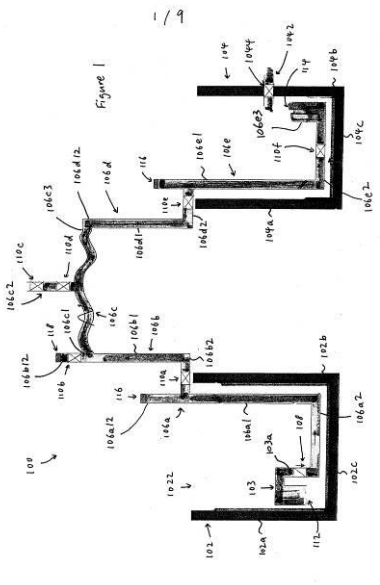
11- A METHOD OF PRIMING A DRAINAGE APPARATUS FOR SIPHONING LIQUID, AND A DRAINAGE APPARATUS

12- A drainage apparatus 100, 300-800 for siphoning liquid between first and second reservoirs 102,104 is disclosed. In a first embodiment, the apparatus 100 includes a conduit arrangement having a first opening 112 disposed in the first reservoir 102, a second opening 114 disposed in the second reservoir 104 and a liquid injection inlet 106b12 arranged between the first and second openings 112,114, and a plurality of valves 108,110 for controlling flow of the liquid along the conduit arrangement. A method 200 for priming the drainage apparatus 100 comprises directing liquid into the conduit arrangement at 202 via the liquid injection inlet 106b12 to fill up most of the conduit arrangement as controlled by the valves' configuration; directing liquid into the first reservoir 102 at 206 to enable more liquid to enter into the conduit arrangement via the first opening 112 and at 208, to flood the conduit arrangement to form a continuous liquid flow path which extends from the first opening 112 up to at least the second opening 114, the continuous liquid flow path creating a siphon; and with the first opening 112 kept below the liquid's surface level in the first reservoir 102, stopping the flow of liquid into the first reservoir 102 to achieve a state of equilibrium of the siphon at 210 to prime the conduit arrangement. After the priming and in use, the siphon is triggered when more liquid is added into the first reservoir 102 which causes the

added liquid to be siphoned to the second reservoir 104 via the primed conduit arrangement.

[Figure 2]

13-



14- E03F 1/00, E03F 5/20

(11)- KH/P/2017/00006 SG

(12)- B

(13)- 00019

(71)- CONCORDE ASIA PTE. LTD [SG]

(72)- CHUA, SWEE KHENG [SG]

(74)- HBS LAW

(31)- KH/P/2017/00006 SG

(33)- Receiving Date: 25/07/2017

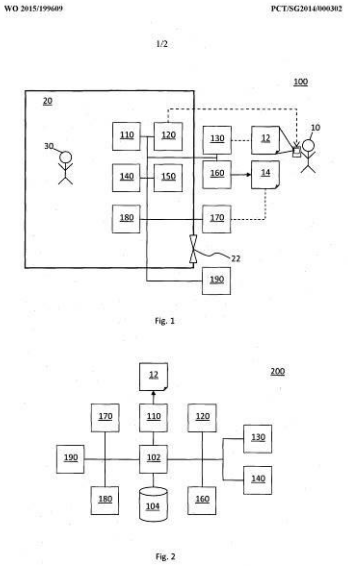
SG Filing Date: 25/06/2019 SG Registration Number: 201905076R

(86)-

(30)- ថ្ងៃទី៥ ខែមីនា ឆ្នាំ២០១៨

(54)- SECURITY CONTROL SYSTEM FOR GRANTING ACCESS AND SECURITY CONTROL METHOD THEREOF

(57)- The present invention provides a method for granting a visitor access into a premise. The security control method includes determining an identification tag, transmitting the identification tag to the visitor, scanning the identification tag of the visitor, authenticating the identification tag, generating an approving signal upon positive authentication of the identification tag, dispensing an identification token to the visitor upon receiving the approving signal, scanning the identification token of the visitor, and authenticating the identification token to grant the visitor access into the premise. The present invention further provides a security control system for the security control method.

(៣)- 

(៥)- G05B 19/00, H04M 11/00

1- KH/P/2017/00009 SG

2- B

3- 00019

4- CONCORDE ASIA PTE. LTD [SG]

5- CHUA, SWEE KHENG [SG]

6- HBS LAW

7- KH/P/2017/00009 SG

8- Receiving Date: 25/07/2017

SG Filing Date: 25/06/2014 SG Registration Number: 11201407621R

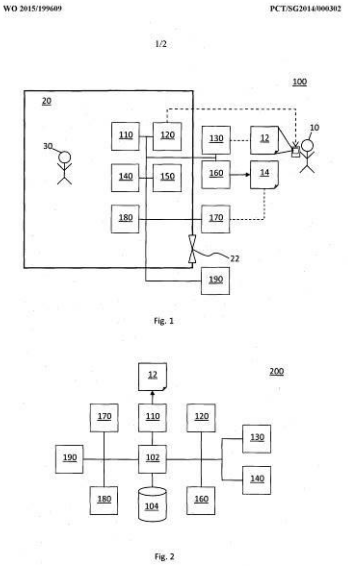
9-

10- 5 March, 2018

11- SECURITY CONTROL SYSTEM FOR GRANTING ACCESS AND SECURITY CONTROL METHOD THEREOF

12- The present invention provides a method for granting a visitor access into a premise. The security control method includes determining an identification tag, transmitting the identification tag to the visitor, scanning the identification tag of the visitor, authenticating the identification tag, generating an approving signal upon positive authentication of the identification tag, dispensing an identification token to the visitor upon receiving the approving signal, scanning the identification token of the visitor, and authenticating the identification token to grant the visitor access into the premise. The present invention further provides a security control system for the security control method.

13-



14- G05B 19/00, H04M 11/00

(١)- KH/P/٢٠١٧/٠٠٠١٠ SG

(٢)- ٤

(٣)- ٠٠٠٣٤

(٤)- TIEN-SHU HSU [TW]

(٥)- TIEN-SHU HSU [TW]

(٦)- Angkor IP

(٧)- KH/P/٢٠١٧/٠٠٠١٠ SG

(٨)- Receiving Date: ٢٤/٠٨/٢٠١٧

SG Filing Date: ٠١/٠٣/٢٠١٠ SG Registration Number: ٢٠١٠٠٩٣٣٤٧

(٩)-

(١٠)- ថ្ងៃទី២៨ ខែធ្នូ ឆ្នាំ២០១៨

(١١)- AN INCENTIVE METHOD FOR A GAMBLING GAME

(١٢)- An incentive method for a gambling game aims to increase gamble game odds. The method includes a calculating dynamic raise odds step, to generate dynamic raised odds according to different game results. The gamble game also has a betting table marked with payment odds for placing bets in the gamble game. Different game results are marked with the dynamic raised odds. For players who win the bet based on the generated game results payment is made according to the dynamic raised odds or payment odds. Thus the gamble game provides a greater expectation value to enable the players to get additional awards in the gamble game. Therefore the appeal of playing the gamble game is greater to the players and utilization of the betting table increases.

Figure 1.

១៣-

1/7

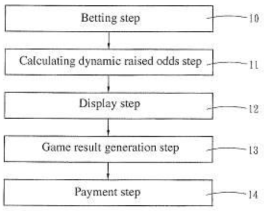


Fig . 1

១៤- G06Q 99/00

1- KH/P/2017/00010 SG

2- B

3- 00034

4- TIEN-SHU HSU [TW]

5- TIEN-SHU HSU [TW]

6- Angkor IP

7- KH/P/2017/00010 SG

8- Receiving Date: 24/08/2017

SG Filing Date: 01/03/2010 SG Registration Number: 2010013357

9-

10- 28 December, 2018

11- AN INCENTIVE METHOD FOR A GAMBLING GAME

12- An incentive method for a gambling game aims to increase gamble game odds. The method includes a calculating dynamic raise odds step, to generate dynamic raised odds according to different game results. The gamble game also has a betting table marked with payment odds for placing bets in the gamble game. Different game results are marked with the dynamic raised odds. For players who win the bet based on the generated game results payment is made according to the dynamic raised odds or payment odds. Thus the gamble game provides a greater expectation value to enable the players to get additional awards in the gamble game. Therefore the appeal of playing the gamble game is greater to the players and utilization of the betting table increases.

Figure 1.

13-

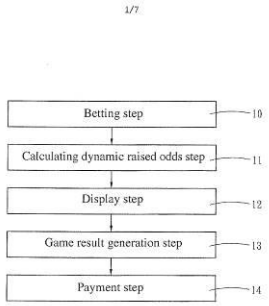


Fig . 1

14- G06Q 99/00

(19) KH/P/2017/00099 SG

(12) B

(13) 00096

(71) PTT PUBLIC COMPANY LIMITED [TH]

(72) KHAISRI, Sakarin [TH]; ATCHARIYAWUT, Supakorn [TH]; PHALAKORNKUL, Kanokrot [TH] and POJANAVARAPHAN, Tassawuth [TH]

(74) TILLEKE & GIBBINS(COMBODIA) LTD.,

(11) KH/P/2017/00099 SG

(22) Receiving Date: 07/09/2017

SG Filing Date: 20/09/2019 SG Registration Number: 99209609231U

(8)

(10) ថ្ងៃទី៨ ខែវិច្ឆិកា ឆ្នាំ២០១៧

(54) A SYSTEM AND A PROCESS FOR ENHANCING EFFICIENCY OF CO2 REMOVAL FROM NATURAL GAS STREAM

(57) A system and process for removal of CO_2 from natural hydrocarbon gas and liquid stream. The system comprising a first separation unit installed at a wellhead in communication to a gas reservoir or multiple gas reservoirs, and located at an offshore location; a second separation unit installed at a central processing platform and located at a remote offshore location; a computerized controller unit linked to the said first and second separation units; and an Onshore Facilities located on shore. The first separation unit is configured to process hydrocarbon: gas and liquid to lower the CO_2 content and contaminants prior to feeding the hydrocarbon gas and liquid with targeted CO_2 content and contaminant and with controlled pressure, temperature and flow rate to the second separation unit to be further processed to further remove CO_2 content and contaminants by the second separation unit.

(13)-

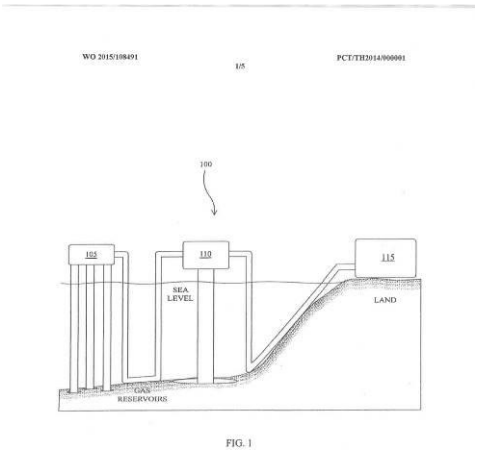


FIG. 1

(15)- B01D 53/14, C07C 7/11, C10G 29/04, C10G 5/02, C10L 3/10, F25J 3/02

1- KH/P/2017/00011 SG

2- B

3- 00016

4- PTT PUBLIC COMPANY LIMITED [TH]

5- KHAISRI, Sakarin [TH]; ATCHARIYAWUT, Supakorn [TH]; PHALAKORNKUL, Kanokrot [TH] and POJANAVARAPHAN, Tassawuth [TH]

6- TILLEKE & GIBBINS(COMBODIA) LTD.,

7- KH/P/2017/00011 SG

8- Receiving Date: 07/09/2017

SG Filing Date: 20/01/2014 SG Registration Number: 11201601231U

9-

10- 8 November, 2017

11- A SYSTEM AND A PROCESS FOR ENHANCING EFFICIENCY OF CO2 REMOVAL FROM NATURAL GAS STREAM

12- A system and process for removal of CO_2 from natural hydrocarbon gas and liquid stream. The system comprising a first separation unit installed at a wellhead in communication to a gas reservoir or multiple gas reservoirs, and located at an offshore location; a second separation unit installed at a central processing platform and located at a remote offshore location; a computerized controller unit linked to the said first and second separation units; and an Onshore Facilities located on shore. The first separation unit is configured to process hydrocarbon: gas and liquid to lower the CO_2 content and contaminants prior to feeding the hydrocarbon gas and liquid with targeted CO_2 content and contaminant and with controlled pressure, temperature and flow rate to the second separation unit to be further processed to further remove CO_2 content and contaminants by the second separation unit.

13-

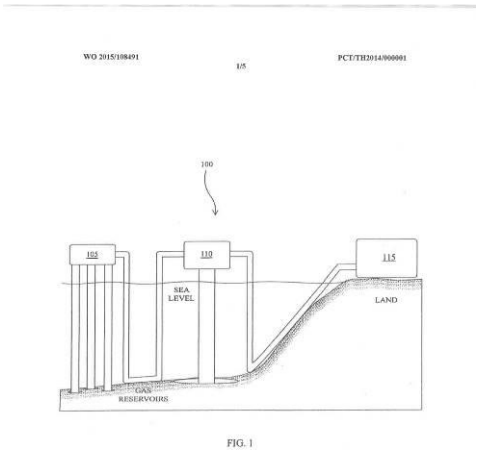


FIG. 1

14- B01D 53/14, C07C 7/11, C10G 29/04, C10G 5/02, C10L 3/10, F25J 3/02

(19)- KH/P/2017/00092 SG

(12)- B

(13)- 00020

(54)- WORLD BUSINESS CO., LTD [JP]

(75)- MATSUO Masayuki [JP]

(74)- Kimly IP Service

(11)- KH/P/2017/00092 SG

(18)- Receiving Date: 15/08/2017

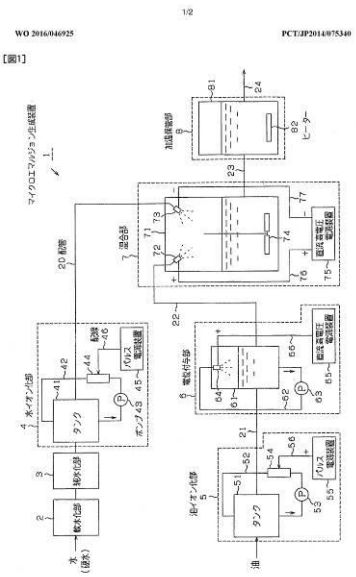
SG Filing Date: 25/08/2015 SG Registration Number: 11201506030806U

(8)-

(10)- ថ្ងៃទី17 ខែឧសភា ឆ្នាំ2018

(11)- APPARATUS FOR PRODUCING MICROEMULSION

(12)- Conventionally, mixed fuels produced by adding an emulsifier to a fuel oil and water not only are expensive because of the high cost of the emulsifier but also are milky-white and do not look to be fuel oils. In order to eliminate such problems, provided is a device wherein: water to be mixed is pretreated in a water softening part (2), a water purification part (3), and a water ionization part (4) to make the water strongly alkaline and have a negative value of oxidation reduction potential, and this water is sent to a mixing part (7); an oil to be mixed is pretreated in an oil ionization part (5) and a potential impartation part (6) to make the oil positively charged and have a positive value of oxidation reduction potential, and this oil is sent to the mixing part (7); and in the mixing part (7), the water is negatively charged and sprayed and the oil is positively charged and sprayed so that these sprays join each other to mix the water and the oil. The mixed liquid is in a microemulsion state and has the same color as the original oil. A cost reduction is attained because of nonuse of an emulsifier.

(13)- 

(15)- B01F 3/08, C10L 1/32, F23K 5/12

1- KH/P/2017/00012 SG

2- B

3- 00020

4- WORLD BUSINESS CO., LTD [JP]

5- MATSUO Masayuki [JP]

6- Kimly IP Service

7- KH/P/2017/00012 SG

8- Receiving Date: 15/09/2017

SG Filing Date: 25/09/2014 SG Registration Number: 11201603096U

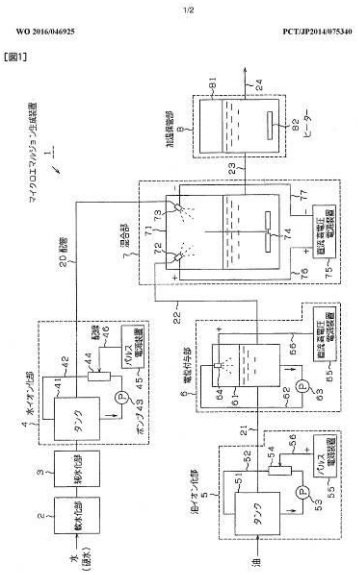
9-

10- 17 May, 2018

11- APPARATUS FOR PRODUCING MICROEMULSION

12- Conventionally, mixed fuels produced by adding an emulsifier to a fuel oil and water not only are expensive because of the high cost of the emulsifier but also are milky-white and do not look to be fuel oils. In order to eliminate such problems, provided is a device wherein: water to be mixed is pretreated in a water softening part (2), a water purification part (3), and a water ionization part (4) to make the water strongly alkaline and have a negative value of oxidation reduction potential, and this water is sent to a mixing part (7); an oil to be mixed is pretreated in an oil ionization part (5) and a potential impartation part (6) to make the oil positively charged and have a positive value of oxidation reduction potential, and this oil is sent to the mixing part (7); and in the mixing part (7), the water is negatively charged and sprayed and the oil is positively charged and sprayed so that these sprays join each other to mix the water and the oil. The mixed liquid is in a microemulsion state and has the same color as the original oil. A cost reduction is attained because of nonuse of an emulsifier.

13-



14- B01F 3/08, C10L 1/32, F23K 5/12

(១)- KH/P/២០១៧/០០០១៣ SG

(២)- ខ

(៣)- ០០០១៧

(៤)- TAKAMITSU SANGYOU CO., LTD [JP]

(៥)- Hachirou SENO [JP]

(៦)- SCL SP&P COMPANY LIMITED

(៧)- KH/P/២០១៧/០០០១៣ SG

(៨)- Receiving Date: ០៩/១០/២០១៧

SG Filing Date: ២១/១០/២០១៦ SG Registration Number: ១០២០១៦០៨៨៣៦R

(៩)- 2015-212597 29/10/2015 JP

(១០)- ថ្ងៃទី១៩ ខែធ្នូ ឆ្នាំ២០១៧

(១១)- ELECTRONIC TICKET MANAGEMENT APPARATUS AND ELECTRONIC TICKET MANAGEMENT METHOD

(១២)- An electronic ticket management apparatus includes an issued ticket management table configured to accumulate electronic ticket information including an upper limit amount of use, an authorized user, and a payer, a transfer management unit configured to acquire a transfer request from the payer and change the authorized user of the electronic ticket information accumulated in the issued ticket management table to a person designated in the transfer request, a transaction management unit configured to restrictively permit a transaction using the electronic ticket if the authorized user uses the electronic ticket within the upper limit amount of use, and a payment processing unit configured to perform a payment process so that a difference amount between the upper limit amount of use of the electronic ticket to be used in the transaction and an actually used amount of money in the transaction is returned to the payer of the electronic ticket.

(13)-

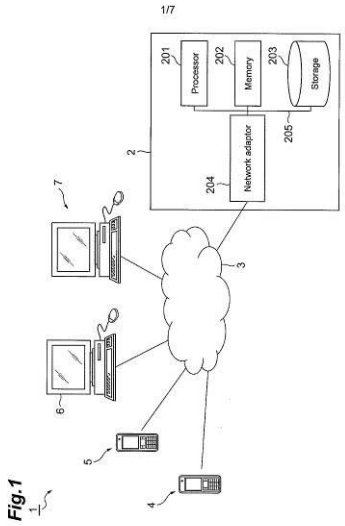


Fig.1

(15)- G06Q 20/06, G06Q 50/30

1- KH/P/2017/00013 SG

2- B

3- 00017

4- TAKAMITSU SANGYOU CO., LTD [JP]

5- Hachirou SENO [JP]

6- SCL SP&P COMPANY LIMITED

7- KH/P/2017/00013 SG

8- Receiving Date: 09/10/2017

SG Filing Date: 21/10/2016 SG Registration Number: 10201608836R

9- 2015-212597 29/10/2015 JP

10- 19 December, 2017

11- ELECTRONIC TICKET MANAGEMENT APPARATUS AND ELECTRONIC TICKET MANAGEMENT METHOD

12- An electronic ticket management apparatus includes an issued ticket management table configured to accumulate electronic ticket information including an upper limit amount of use, an authorized user, and a payer, a transfer management unit configured to acquire a transfer request from the payer and change the authorized user of the electronic ticket information accumulated in the issued ticket management table to a person designated in the transfer request, a transaction management unit configured to restrictively permit a transaction using the electronic ticket if the authorized user uses the electronic ticket within the upper limit amount of use, and a payment processing unit configured to perform a payment process so that a difference amount between the upper limit amount of use of the electronic ticket to be used in the transaction and an actually used amount of money in the transaction is returned to the payer of the electronic ticket.

13-

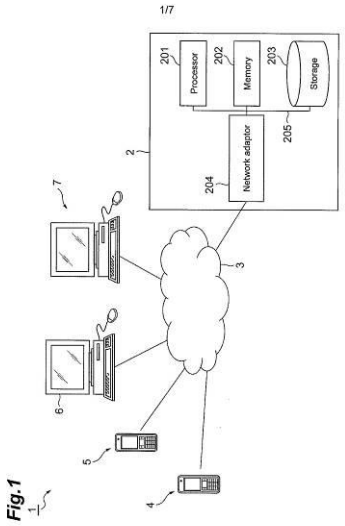


Fig.1

14- G06Q 20/06, G06Q 50/30

(19)- KH/P/2018/00009 SG

(12)- B

(31)- 00029

(71)- Otsuka Medical Devices Co., Ltd. [JP]

(72)- SHOBAYASHI, Yasuhiro [JP]

(74)- Kimly IP Service

(11)- KH/P/2018/00009 SG

(18)- Receiving Date: 08/09/2018

SG Filing Date: 15/08/2019 SG Registration Number: 19209060689R

(30)- 2014-029933 19/02/2014 JP and 2014-165104 14/08/2014 JP

(10)- ថ្ងៃទី៧ ខែសីហា ឆ្នាំ២០១៨

(54)- HIGHLY FLEXIBLE STENT

(57)- This stent (11) is a highly flexible stent which comprises a plurality of wavy line patterned bodies (13) that have a wavy line pattern and that are disposed to be arranged in the axial line direction (LD) and a plurality of coil-shaped elements (15) that are disposed between adjacent wavy line patterned bodies (13) and that extend around the axial line in a helical shape, and in which all apexes (17b) on the sides facing the wavy line pattern of adjacent wavy line patterned bodies (13) are mutually connected by the coil-shaped elements (15). When viewed from a radial direction (RD) which is perpendicular to the axial line direction (LD), the annular direction (CD) of the wavy line patterned body (13) is inclined with respect to the radial direction (RD), and the winding direction of one of the coil-shaped elements (15 (15R)) located on one side of the wavy line patterned body (13) in the axial line direction (LD) is opposite of the winding direction of another coil-shaped element (15 (15L)) located on the other side in the axial line direction (LD).

(13)-

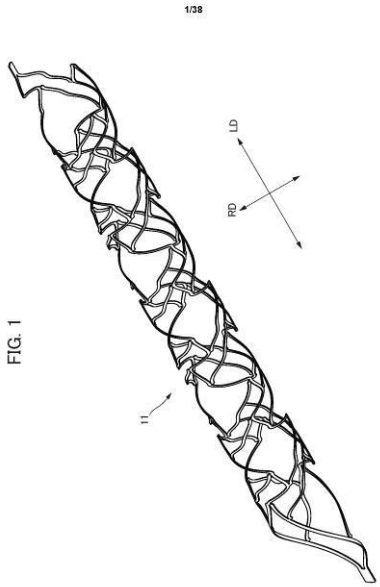


FIG. 1

(15)- A61F 2/88

1- KH/P/2018/00001 SG

2- B

3- 00021

4- Otsuka Medical Devices Co., Ltd. [JP]

5- SHOBAYASHI, Yasuhiro [JP]

6- Kimly IP Service

7- KH/P/2018/00001 SG

8- Receiving Date: 09/01/2018

SG Filing Date: 15/08/2014 SG Registration Number: 11201606918R

9- 2014-029933 19/02/2014 JP and 2014-165104 14/08/2014 JP

10- 7 August, 2018

11- HIGHLY FLEXIBLE STENT

12- This stent (11) is a highly flexible stent which comprises a plurality of wavy line patterned bodies (13) that have a wavy line pattern and that are disposed to be arranged in the axial line direction (LD) and a plurality of coil-shaped elements (15) that are disposed between adjacent wavy line patterned bodies (13) and that extend around the axial line in a helical shape, and in which all apexes (17b) on the sides facing the wavy line pattern of adjacent wavy line patterned bodies (13) are mutually connected by the coil-shaped elements (15). When viewed from a radial direction (RD) which is perpendicular to the axial line direction (LD), the annular direction (CD) of the wavy line patterned body (13) is inclined with respect to the radial direction (RD), and the winding direction of one of the coil-shaped elements (15 (15R)) located on one side of the wavy line patterned body (13) in the axial line direction (LD) is opposite of the winding direction of another coil-shaped element (15 (15L)) located on the other side in the axial line direction (LD).

13-

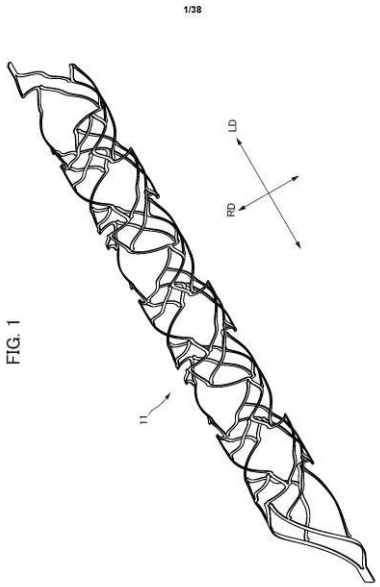


FIG. 1

14- A61F 2/88

(១)- KH/P/២០១៨/០០០០២ SG

(២)- ខ

(៣)- ០០០២៦

(៤)- PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. [JP]

(៥)- YAMAMOTO, Hiroshi [JP]; EDAGAWA, Akiyoshi [JP]; SAKAKIBARA, Takashi [JP]; OSAMURA, Kazumi [JP]; NAGAOKA, Hideki [JP]; KOTANAGI, Takuya [JP] and FUNAKOSHI, Hidenori [JP]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០០២ SG

(៨)- Receiving Date: ១៧/០១/២០១៨

SG Filing Date: ២៤/១០/២០១៣ SG Registration Number: ១១២០១៥០៣២៣៩W

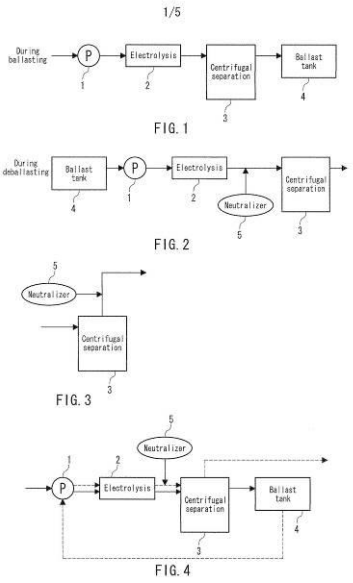
(៩)- 2012-236053 25/10/2012 JP

(១០)- ថ្ងៃទី១០ ខែកញ្ញា ឆ្នាំ២០១៨

(១១)- METHOD FOR TREATING BALLAST WATER AND DEVICE FOR TREATING BALLAST WATER USED THEREFOR

(១២)- Provided are a novel method and device for treating a liquid that are usable for treating ballast water used in a ship, etc. The liquid treatment method comprises: in supplying a liquid containing aquatic organisms, conducting an aquatic organism-inactivating treatment and/or a mechanical treatment using a centrifugal force, and storing the liquid in a storage means; and, in discharging the stored liquid, determining whether or not an aquatic organism-inactivating treatment is required, conducting the treatment on the basis of the determination result, and conducting a mechanical treatment using a centrifugal force. Due to this constitution, the liquid treatment method and device enable sufficient inactivation or separation of aquatic organisms that are contained in a liquid.

(១៣-



(១៥- B01D 21/26, B63B 13/00, C02F 1/32, C02F 1/38, C02F 1/46, C02F 1/50, C02F 1/70, C02F 1/76

1- KH/P/2018/00002 SG

2- B

3- 00026

4- PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. [JP]

5- YAMAMOTO, Hiroshi [JP]; EDAGAWA, Akiyoshi [JP]; SAKAKIBARA, Takashi [JP]; OSAMURA, Kazumi [JP]; NAGAOKA, Hideki [JP]; KOTANAGI, Takuya [JP] and FUNAKOSHI, Hidenori [JP]

6- Kimly IP Service

7- KH/P/2018/00002 SG

8- Receiving Date: 17/01/2018
SG Filing Date: 24/10/2013 SG Registration Number: 11201503239W

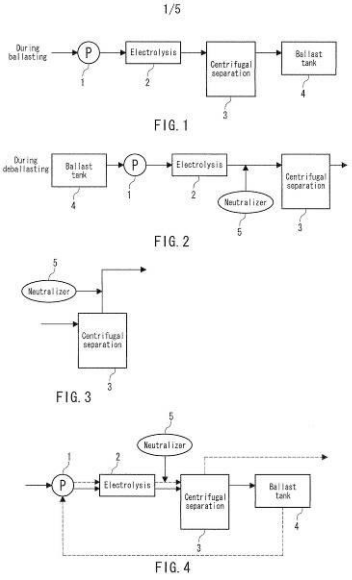
9- 2012-236053 25/10/2012 JP

10- 10 September, 2018

11- METHOD FOR TREATING BALLAST WATER AND DEVICE FOR TREATING BALLAST WATER USED THEREFOR

12- Provided are a novel method and device for treating a liquid that are usable for treating ballast water used in a ship, etc. The liquid treatment method comprises: in supplying a liquid containing aquatic organisms, conducting an aquatic organism-inactivating treatment and/or a mechanical treatment using a centrifugal force, and storing the liquid in a storage means; and, in discharging the stored liquid, determining whether or not an aquatic organism-inactivating treatment is required, conducting the treatment on the basis of the determination result, and conducting a mechanical treatment using a centrifugal force. Due to this constitution, the liquid treatment method and device enable sufficient inactivation or separation of aquatic organisms that are contained in a liquid.

13-



14- B01D 21/26, B63B 13/00, C02F 1/32, C02F 1/38, C02F 1/46, C02F 1/50, C02F 1/70, C02F 1/76

(19)- KH/P/២០១៨/០០០០៣ SG

(12)- ខ

(13)- ០០០២៧

(54)- VALENT BIOSCIENCES CORPORATION [US]

(55)- BELKIND, Benjamin, A. [US]; CLARK, Jason [US] and DECHANT, Peter [US]

(56)- Kimly IP Service

(87)- KH/P/២០១៨/០០០០៣ SG

(88)- Receiving Date: ០៨/០២/២០១៨

SG Filing Date: ០២/១០/២០១៤ SG Registration Number: ១១២០១៦០២៥៩២R

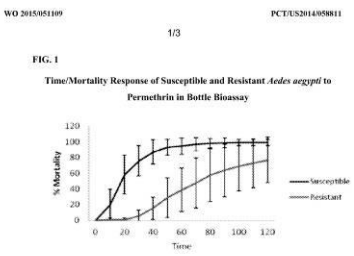
(89)- 61/885,754 02/10/2013 US

(90)- ថ្ងៃទី១០ ខែកញ្ញា ឆ្នាំ២០១៨

(11)- OCTANOIC, NONANOIC AND DECANOIC FATTY ACIDS WITH A PYRETHROID ADULTICIDE

(57)- The invention relates to an octanoic, nonanoic and decanoic (C8, 9, 10) fatty acids mixture with a pyrethroid. The invention also relates to methods of using the octanoic, nonanoic and decanoic (C8, 9, 10) fatty acids and pyrethroid mixture to achieve superior arthropod control.

(13)-



(51)- A01N 25/00, A01N 43/00, A01P 7/04

1- KH/P/2018/00003 SG

2- B

3- 00027

4- VALENT BIOSCIENCES CORPORATION [US]

5- BELKIND, Benjamin, A. [US]; CLARK, Jason [US] and DECHANT, Peter [US]

6- Kimly IP Service

7- KH/P/2018/00003 SG

8- Receiving Date: 08/02/2018

SG Filing Date: 02/10/2014 SG Registration Number: 11201602592R

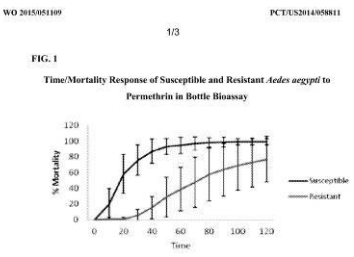
9- 61/885,754 02/10/2013 US

10- 10 September, 2018

11- OCTANOIC, NONANOIC AND DECANOIC FATTY ACIDS WITH A PYRETHROID ADULTICIDE

12- The invention relates to an octanoic, nonanoic and decanoic (C8, 9, 10) fatty acids mixture with a pyrethroid. The invention also relates to methods of using the octanoic, nonanoic and decanoic (C8, 9, 10) fatty acids and pyrethroid mixture to achieve superior arthropod control.

13-



14- A01N 25/00, A01N 43/00, A01P 7/04

(១)- KH/P/២០១៨/០០០០៤ SG

(២)- ខ

(៣)- ០០០២៨

(៤)- GENIAL LIGHT CO., LTD [JP]

(៥)- SHIMOKITA, RYO [JP]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០០៤ SG

(៨)- Receiving Date: ១៤/០៣/២០១៨

SG Filing Date: ០៩/០៣/២០១០ SG Registration Number: ១០២០១៤០០៣៤៧V

(៩)- 2009-057042 10/03/2009 JP

(១០)- ថ្ងៃទី១០ ខែកញ្ញា ឆ្នាំ២០១៨

(១១)- BONE CUTTING DEVICE

(១២)- To provide a bone cutting device capable of selectively cutting only a bone easily and quickly, the device of the present invention is adapted to cut a bone by irradiating with a laser beam and includes a light source for emitting a laser beam of 1000 to 1500 nm with a peak output of 10 to 70 W/cm2.

FIGURE 1

(១៣)-

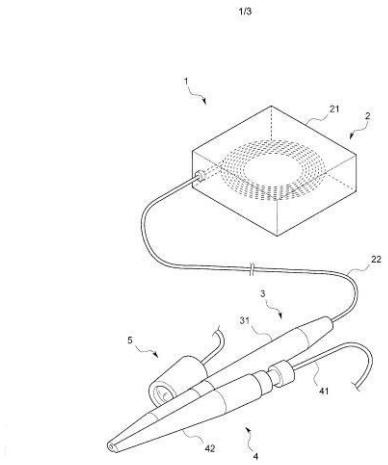


FIG.1

(១៤)- A61B 17/16, A61B 18/20, A61B 18/22, A61B 19/00

1- KH/P/2018/00004 SG

2- B

3- 00028

4- GENIAL LIGHT CO., LTD [JP]

5- SHIMOKITA, RYO [JP]

6- Kimly IP Service

7- KH/P/2018/00004 SG

8- Receiving Date: 14/03/2018

SG Filing Date: 09/03/2010 SG Registration Number: 10201400347V

9- 2009-057042 10/03/2009 JP

10- 10 September, 2018

11- BONE CUTTING DEVICE

12- To provide a bone cutting device capable of selectively cutting only a bone easily and quickly, the device of the present invention is adapted to cut a bone by irradiating with a laser beam and includes a light source for emitting a laser beam of 1000 to 1500 nm with a peak output of 10 to 70 W/cm2.

FIGURE 1

13-

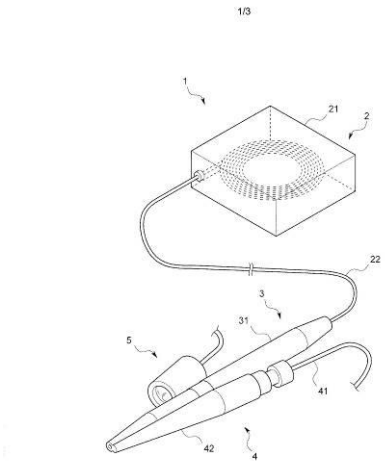


FIG.1

14- A61B 17/16, A61B 18/20, A61B 18/22, A61B 19/00

(១)- KH/P/២០១៨/០០០០៥ SG

(២)- ខ

(៣)- ០០០២៣

(៤)- TEH YOR CO., LTD [TW]

(៥)- HUANG, Chin-tien [TW] and YU, Fu-lai [TW]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០០៥ SG

(៨)- Receiving Date: ២៣/០៣/២០១៨

SG Filing Date: ១៦/១១/២០១៥ SG Registration Number: ១១២០១៧០៣៧៩៣Q

(៩)- 104101854 20/01/2015 TW

(១០)- ថ្ងៃទី៧ ខែសីហា ឆ្នាំ២០១៨

(១១)- WINDOW SHADE AND CONTROL SYSTEM THEREOF

(១២)- A control system (110) for a window shade (100) includes a suspension member (118), a first and a second casing portion (120, 140), a rotary drum (122), a torsion spring (144), a coupling member (146), a transmission axle (112), a central gear (142), a ring (150) and planetary gears (148). The rotary drum is pivotally connected with the first casing portion, and is rotatable to wind and unwind the suspension member. The torsion spring can bias the rotary drum for winding the suspension member, and has a first and a second end respectively affixed with the second casing portion and a coupling member. The transmission axle is disposed through the torsion spring, and is rotationally coupled with the rotary drum and the central gear. The ring is affixed with the second casing portion and has protruding teeth. The planetary gears are pivotally supported by the coupling member, and are respectively meshed with the central gear and the teeth of the ring.

(13)-

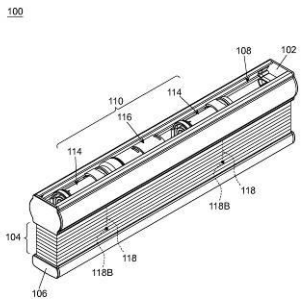


FIG. 1

(15)- E06B 9/322, E06B 9/56, E06B 9/60, E06B 9/68

1- KH/P/2018/00005 SG

2- B

3- 00023

4- TEH YOR CO., LTD [TW]

5- HUANG, Chin-tien [TW] and YU, Fu-lai [TW]

6- Kimly IP Service

7- KH/P/2018/00005 SG

8- Receiving Date: 23/03/2018

SG Filing Date: 16/11/2015 SG Registration Number: 11201703793Q

9- 104101854 20/01/2015 TW

10- 7 August, 2018

11- WINDOW SHADE AND CONTROL SYSTEM THEREOF

12- A control system (110) for a window shade (100) includes a suspension member (118), a first and a second casing portion (120, 140), a rotary drum (122), a torsion spring (144), a coupling member (146), a transmission axle (112), a central gear (142), a ring (150) and planetary gears (148). The rotary drum is pivotally connected with the first casing portion, and is rotatable to wind and unwind the suspension member. The torsion spring can bias the rotary drum for winding the suspension member, and has a first and a second end respectively affixed with the second casing portion and a coupling member. The transmission axle is disposed through the torsion spring, and is rotationally coupled with the rotary drum and the central gear. The ring is affixed with the second casing portion and has protruding teeth. The planetary gears are pivotally supported by the coupling member, and are respectively meshed with the central gear and the teeth of the ring.

13-

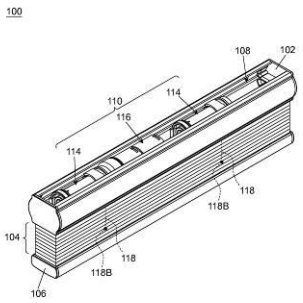


FIG. 1

14- E06B 9/322, E06B 9/56, E06B 9/60, E06B 9/68

(១)- KH/P/២០១៨/០០០០៦ SG

(២)- ខ

(៣)- ០០០២៤

(៤)- TEH YOR CO., LTD [TW]

(៥)- HUANG, Chin-tien [TW] and YU, Fu-lai [TW]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០០៦ SG

(៨)- Receiving Date: ២៣/០៣/២០១៨

SG Filing Date: ០៥/១១/២០១៥ SG Registration Number: ១១២០៩៦០៨៩៣២R

(៩)- 62/075,339 05/11/2014 US

(១០)- ថ្ងៃទី៧ ខែសីហា ឆ្នាំ២០១៨

(១១)- CORDLESS WINDOW SHADE AND SPRING DRIVE SYSTEM THEREOF

(១២)- A spring drive system for a cordless window shade includes multiple rotary drums respectively connected with suspension cords, and one or more springs respectively connected with the rotary drums. The rotary drums are operatively connected with each other, so that they can synchronously rotate to wind and unwind the suspension cords. Moreover, each of the rotary drums is connected with an end of one spring. The spring torque can act to sustain a bottom part of the window shade at any desired height, and drive rotation of the rotary drums to wind the suspension cords when the bottom rail is raised upward.

១៣-

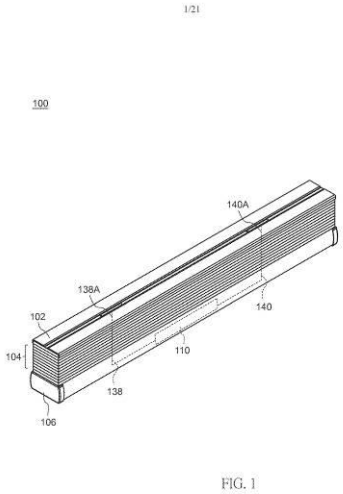


FIG. 1

១៤- E06B 9/322

1- KH/P/2018/00006 SG

2- B

3- 00024

4- TEH YOR CO., LTD [TW]

5- HUANG, Chin-tien [TW] and YU, Fu-lai [TW]

6- Kimly IP Service

7- KH/P/2018/00006 SG

8- Receiving Date: 23/03/2018

SG Filing Date: 04/11/2015 SG Registration Number: 11201608932R

9- 62/075,339 05/11/2014 US

10- 7 August, 2018

11- CORDLESS WINDOW SHADE AND SPRING DRIVE SYSTEM THEREOF

12- A spring drive system for a cordless window shade includes multiple rotary drums respectively connected with suspension cords, and one or more springs respectively connected with the rotary drums. The rotary drums are operatively connected with each other, so that they can synchronously rotate to wind and unwind the suspension cords. Moreover, each of the rotary drums is connected with an end of one spring. The spring torque can act to sustain a bottom part of the window shade at any desired height, and drive rotation of the rotary drums to wind the suspension cords when the bottom rail is raised upward.

13-

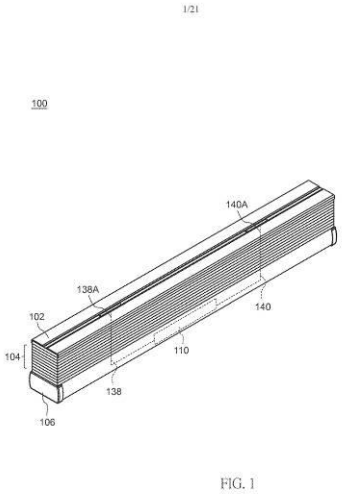


FIG. 1

14- E06B 9/322

(១)- KH/P/២០១៨/០០០០៧ SG

(២)- ខ

(៣)- ០០០២២

(៤)- MORINAGA MILK INDUSTRY CO., LTD [JP]

(៥)- MATSUYAMA Koki [JP]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០០៧ SG

(៨)- Receiving Date: ១១/០៥/២០១៨

SG Filing Date: ០២/១១/២០១៥ SG Registration Number: ១១២០១៧០៣៦៥០U

(៩)- 2014-228806 11/11/2014 JP

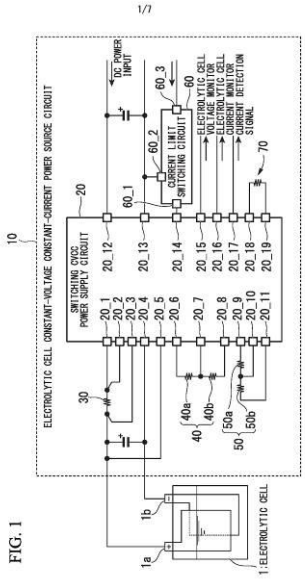
(១០)- ថ្ងៃទី៧ ខែសីហា ឆ្នាំ២០១៨

(១១)- INCORPORATED DEVICE AND METHOD FOR CONTROLLING INCORPORATED DEVICE

(១២)- Provided is: an incorporated device incorporating an electrolytic bath and a power control device capable of minimizing any increase in temperature of the electrolytic bath and inhibiting a decrease in electrode lifespan; and a method for controlling the incorporated device. The incorporated device incorporates an electrolytic bath and a power control device capable of minimizing any increase in temperature of the electrolytic bath and inhibiting a decrease in electrode lifespan. The power control device is provided with: a voltage current control circuit for feeding, in a constant current control mode, an electrolytic current to the electrolytic bath while performing a control so that the electrolytic current does not exceed the current value of a reference current set in advance in accordance with the rated current of a unit cell constituting the electrolytic bath; and a temperature detection unit for detecting a temperature of the interior of the incorporated device and the environmental temperature on the outside of the electrolytic bath. When the temperature detected by the temperature detection unit moves out of a preset rated temperature range, the voltage current control circuit stops the feeding of the electrolytic current, and when the temperature detected by the temperature detection unit again falls within the rated

temperature range, the voltage current control circuit restarts the feeding of the electrolytic current.

(73)-



(74)- C02F 1/46, C25B 9/04

1- KH/P/2018/00007 SG

2- B

3- 00022

4- MORINAGA MILK INDUSTRY CO., LTD [JP]

5- MATSUYAMA Koki [JP]

6- Kimly IP Service

7- KH/P/2018/00007 SG

8- Receiving Date: 11/05/2018

SG Filing Date: 02/11/2015 SG Registration Number: 11201703650U

9- 2014-228806 11/11/2014 JP

10- 7 August, 2018

11- INCORPORATED DEVICE AND METHOD FOR CONTROLLING INCORPORATED DEVICE

12- Provided is: an incorporated device incorporating an electrolytic bath and a power control device capable of minimizing any increase in temperature of the electrolytic bath and inhibiting a decrease in electrode lifespan; and a method for controlling the incorporated device. The incorporated device incorporates an electrolytic bath and a power control device capable of minimizing any increase in temperature of the electrolytic bath and inhibiting a decrease in electrode lifespan. The power control device is provided with: a voltage current control circuit for feeding, in a constant current control mode, an electrolytic current to the electrolytic bath while performing a control so that the electrolytic current does not exceed the current value of a reference current set in advance in accordance with the rated current of a unit cell constituting the electrolytic bath; and a temperature detection unit for detecting a temperature of the interior of the incorporated device and the environmental temperature on the outside of the electrolytic bath. When the temperature detected by the temperature detection unit moves out of a preset rated temperature range, the voltage current control circuit stops the feeding of the electrolytic current, and when the temperature detected by the temperature detection unit again falls within the rated

temperature range, the voltage current control circuit restarts the feeding of the electrolytic current.

13-

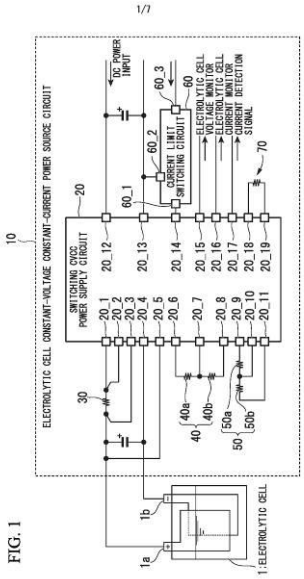


FIG. 1

14- C02F 1/46, C25B 9/04

(១)- KH/P/២០១៨/០០០០៨ SG

(២)- ខ

(៣)- ០០០២៥

(៤)- DOLBY INTERNATIONAL AB [NL]

(៥)- BORDES, Philippe [FR]; ANDRIVON, Pierre [FR] and JOLLY, Emmanuel [FR]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០០៨ SG

(៨)- Receiving Date: ០២/០៧/២០១៨

SG Filing Date: ១៧/០៣/២០១៤ SG Registration Number: ១១២០១៥០៧៨២៦T

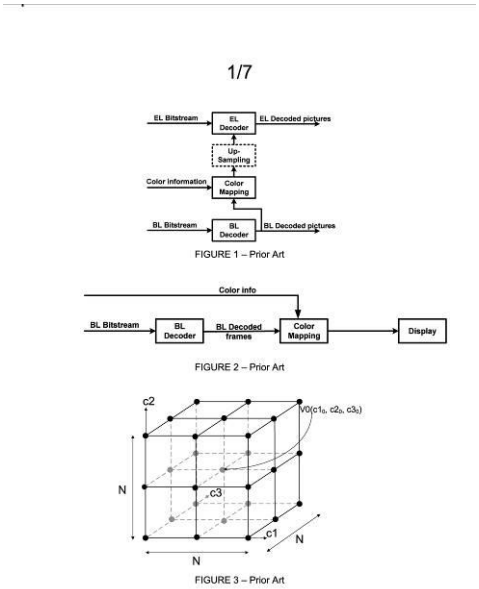
(៩)- 13305453.6 08/04/2013 EP; 13306010.3 15/07/2013 EP and 14305109.2 27/01/2014 EP

(១០)- ថ្ងៃទី៧ ខែសីហា ឆ្នាំ២០១៨

(១១)- METHOD FOR ENCODING AND METHOD FOR DECODING A LUT AND CORRESPONDING DEVICES

(១២)- A method for encoding a LUT defined as a lattice of vertices is disclosed. At least one value is associated with each vertex of the lattice. The method comprises for a current vertex: predicting the at least one value associated with said current vertex from another value which is for example obtained from reconstructed values associated with neighboring vertices; and encoding in a bitstream at least one residue computed between the at least one value of the current vertex and its prediction in a bitstream.

(13)-



(15)- H04N 19/186, H04N 19/30, H04N 19/463, H04N 19/50

1- KH/P/2018/00008 SG

2- B

3- 00025

4- DOLBY INTERNATIONAL AB [NL]

5- BORDES, Philippe [FR]; ANDRIVON, Pierre [FR] and JOLLY, Emmanuel [FR]

6- Kimly IP Service

7- KH/P/2018/00008 SG

8- Receiving Date: 02/07/2018

SG Filing Date: 17/03/2014 SG Registration Number: 11201507826T

9- 13305453.6 08/04/2013 EP; 13306010.3 15/07/2013 EP and 14305109.2 27/01/2014 EP

10- 7 August, 2018

11- METHOD FOR ENCODING AND METHOD FOR DECODING A LUT AND CORRESPONDING DEVICES

12- A method for encoding a LUT defined as a lattice of vertices is disclosed. At least one value is associated with each vertex of the lattice. The method comprises for a current vertex: predicting the at least one value associated with said current vertex from another value which is for example obtained from reconstructed values associated with neighboring vertices; and encoding in a bitstream at least one residue computed between the at least one value of the current vertex and its prediction in a bitstream.

13-

1/7

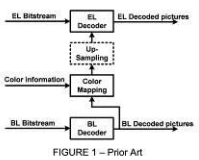


FIGURE 1 – Prior Art

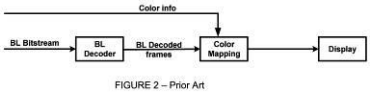


FIGURE 2 – Prior Art

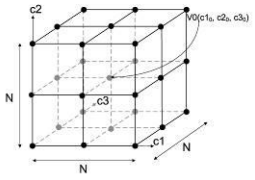


FIGURE 3 – Prior Art

14-	H04N 19/186, H04N 19/30, H04N 19/463, H04N 19/50

(១)- KH/P/២០១៨/០០០០៩ SG

(២)- ខ

(៣)- ០០០៣១

(៤)- CRYSTAL LAGOONS (CURACAO) B.V. [NL]

(៥)- FERNANDO BENJAMIN FISCHMANN TORRES [CL]

(៦)- TILLEKE & GIBBINS (CAMBODIA) LTD.,

(៧)- KH/P/២០១៨/០០០០៩ SG

(៨)- Receiving Date: ១៦/០៧/២០១៨

SG Filing Date: ២១/១១/២០០៧ SG Registration Number: ២០០៧១៧៩៦៣៣

(៩)- 3225-2006 21/11/2006 CL

(១០)- ថ្ងៃទី១៩ ខែតុលា ឆ្នាំ២០១៨

(១១)- PROCESS TO OBTAIN (IMPLEMENT AND MAINTAIN) WATER BODIES LARGER THAN 15,000 M3 FOR RECREATIONAL USE WITH COLOR, TRANSPARENCY AND CLEANLINESS CHARACTERISTICS SIMILAR TO SWIMMING POOLS OR TROPICAL SEAS AT LOW COST

(١٢)- The invention discloses a process to implement and maintain water bodies larger than 15,000 m^3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps:

a.- providing a structure able to contain a large water body larger than 15,000 m^3;

b.- feeding the structure to step (a) with inlet water having iron and manganese levels lower than 1.5ppm and turbidity lower than 5 NTU;

c.- measuring water pH, ideally it should be within a range lower than 7.8;

d.- adding an oxidizing agent to the water contained in the structure of step (a),

with which a 600 mV minimal ORP is controlled in water for a minimal period of 4

hours and in maximal cycles of 48 hours;

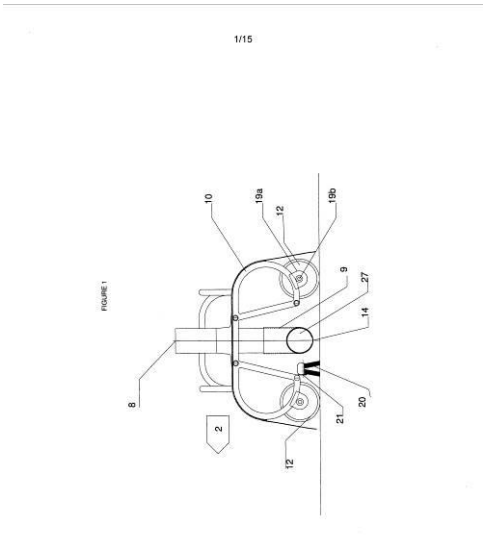
e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and;

f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by mean of skimmers and the suction device to clean said structure.

Figure 10

១៣-



១៤- C02F 1/00, E02B 15/00, E04H 4/00

1- KH/P/2018/00009 SG

2- B

3- 00031

4- CRYSTAL LAGOONS (CURACAO) B.V. [NL]

5- FERNANDO BENJAMIN FISCHMANN TORRES [CL]

6- TILLEKE & GIBBINS (CAMBODIA) LTD.,

7- KH/P/2018/00009 SG

8- Receiving Date: 16/07/2018

SG Filing Date: 21/11/2007 SG Registration Number: 2007179633

9- 3225-2006 21/11/2006 CL

10- 19 October, 2018

11- PROCESS TO OBTAIN (IMPLEMENT AND MAINTAIN) WATER BODIES LARGER THAN 15,000 M3 FOR RECREATIONAL USE WITH COLOR, TRANSPARENCY AND CLEANLINESS CHARACTERISTICS SIMILAR TO SWIMMING POOLS OR TROPICAL SEAS AT LOW CO

12- The invention discloses a process to implement and maintain water bodies larger than 15,000 m^3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps:

a.- providing a structure able to contain a large water body larger than 15,000 m^3;

b.- feeding the structure to step (a) with inlet water having iron and manganese levels lower than 1.5ppm and turbidity lower than 5 NTU;

c.- measuring water pH, ideally it should be within a range lower than 7.8;

d.- adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 mV minimal ORP is controlled in water for a minimal period of 4

hours and in maximal cycles of 48 hours;

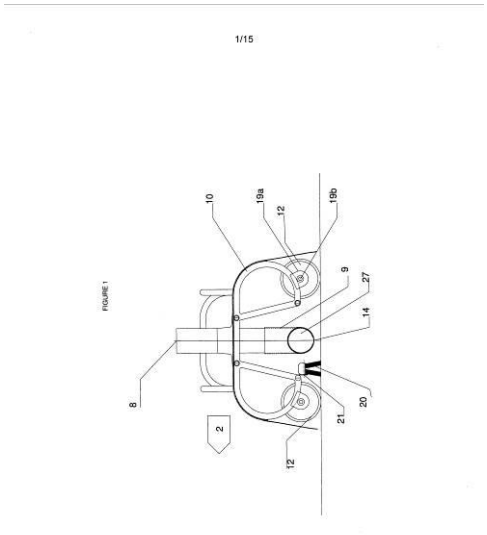
e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and;

f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by mean of skimmers and the suction device to clean said structure.

Figure 10

13-



14- C02F 1/00, E02B 15/00, E04H 4/00

(១)- KH/P/២០១៨/០០០១០ SG

(២)- ខ

(៣)- ០០០៣២

(៤)- CRYSTAL LAGOONS (CURACAO) B.V. [NL]

(៥)- FERNANDO BENJAMIN FISCHMANN TORRES [CL]

(៦)- TILLEKE & GIBBINS(COMBODIA) LTD.,

(៧)- KH/P/២០១៨/០០០១០ SG

(៨)- Receiving Date: ១៦/០៧/២០១៨

SG Filing Date: ២១/១១/២០០៧ SG Registration Number: ២០១១០៣៦៧៦១

(៩)- 3225-2006 21/11/2006 CL

(១០)- ថ្ងៃទី១០ ខែតុលា ឆ្នាំ២០១៨

(១១)- SUCTION DEVICE FOR THOROUGHLY CLEANING THE BOTTOM SURFACE OF A STRUCTURE, COVERED WITH A NON-POROUS PLASTIC LINER, WHICH CONTAINS A BODY OF WATER FOR RECREATIONAL USE

(١٢)- The invention discloses a process to implement and maintain water bodies larger than 15,000 m^3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps:

a.- providing a structure able to contain a large water body larger than 15,000 m^3;

b.- feeding the structure to step (a) with inlet water having iron and manganese levels lower than 1.5ppm and turbidity lower than 5 NTU;

c.- measuring water pH, ideally it should be within a range lower than 7.8;

d.- adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 mV minimal ORP is controlled in water for a minimal period of 4

hours and in maximal cycles of 48 hours;

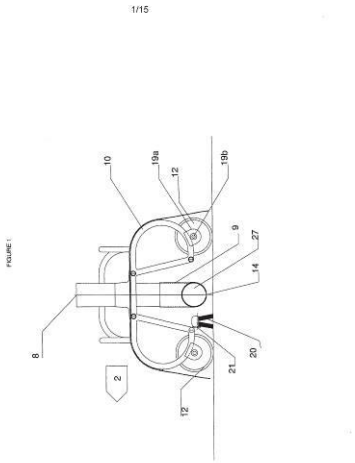
e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and;

f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by mean of skimmers and the suction device to clean said structure.

Figure 10

๑๓-



๑๔- E04H 4/16

1- KH/P/2018/00010 SG

2- B

3- 00032

4- CRYSTAL LAGOONS (CURACAO) B.V. [NL]

5- FERNANDO BENJAMIN FISCHMANN TORRES [CL]

6- TILLEKE & GIBBINS(COMBODIA) LTD.,

7- KH/P/2018/00010 SG

8- Receiving Date: 16/07/2018

SG Filing Date: 21/11/2007 SG Registration Number: 2011036761

9- 3225-2006 21/11/2006 CL

10- 10 October, 2018

11- SUCTION DEVICE FOR THOROUGHLY CLEANING THE BOTTOM SURFACE OF A STRUCTURE, COVERED WITH A NON-POROUS PLASTIC LINER, WHICH CONTAINS A BODY OF WATER FOR RECREATIONAL USE

12- The invention discloses a process to implement and maintain water bodies larger than 15,000 m^3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps:

a.- providing a structure able to contain a large water body larger than 15,000 m^3;

b.- feeding the structure to step (a) with inlet water having iron and manganese levels lower than 1.5ppm and turbidity lower than 5 NTU;

c.- measuring water pH, ideally it should be within a range lower than 7.8;

d.- adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 mV minimal ORP is controlled in water for a minimal period of 4

hours and in maximal cycles of 48 hours;

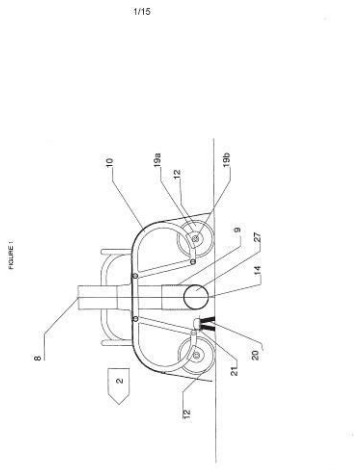
e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and;

f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by mean of skimmers and the suction device to clean said structure.

Figure 10

13-



14- E04H 4/16

(១)- KH/P/២០១៨/០០០១១ SG

(២)- ខ

(៣)- ០០០៣៣

(៤)- CRYSTAL LAGOONS (CURACAO) B.V. [NL]

(៥)- FERNANDO BENJAMIN FISCHMANN TORRES [CL]

(៦)- TILLEKE & GIBBINS(COMBODIA) LTD.,

(៧)- KH/P/២០១៨/០០០១១ SG

(៨)- Receiving Date: ១៦/០៧/២០១៨

SG Filing Date: ២១/១១/២០០៧ SG Registration Number: ២០១១០៣៩៥៩២

(៩)- 3225-2006 21/11/2006 CL

(១០)- ថ្ងៃទី១៩ ខែតុលា ឆ្នាំ២០១៨

(១១)- STRUCTURE TO CONTAIN A LARGE WATER BODY, FOR RECREATIONAL USE WITH COLOR, TRANSPARENCY AND CLEANLINESS CHARACTERISTICS SIMILAR TO SWIMMING POOLS OR TROPICAL SEAS AT LOW COST

(១២)- The invention discloses a process to implement and maintain water bodies larger than 15,000 m^3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps:

a.- providing a structure able to contain a large water body larger than 15,000 m^3;

b.- feeding the structure to step (a) with inlet water having iron and manganese levels lower than 1.5ppm and turbidity lower than 5 NTU;

c.- measuring water pH, ideally it should be within a range lower than 7.8;

d.- adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 mV minimal ORP is controlled in water for a minimal period of 4

hours and in maximal cycles of 48 hours;

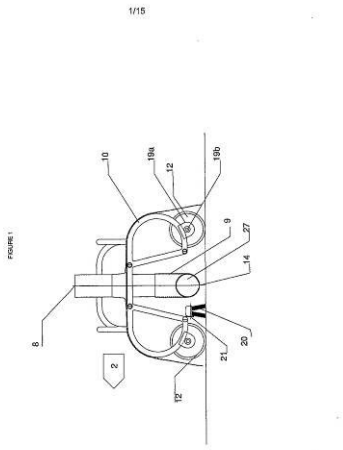
e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and;

f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by mean of skimmers and the suction device to clean said structure.

Figure 10

១៣-



១៤- C02F 1/40

1- KH/P/2018/00011 SG

2- B

3- 00033

4- CRYSTAL LAGOONS (CURACAO) B.V. [NL]

5- FERNANDO BENJAMIN FISCHMANN TORRES [CL]

6- TILLEKE & GIBBINS(COMBODIA) LTD.,

7- KH/P/2018/00011 SG

8- Receiving Date: 16/07/2018

SG Filing Date: 21/11/2007 SG Registration Number: 2011039492

9- 3225-2006 21/11/2006 CL

10- 19 October, 2018

11- STRUCTURE TO CONTAIN A LARGE WATER BODY, FOR RECREATIONAL USE WITH COLOR, TRANSPARENCY AND CLEANLINESS CHARACTERISTICS SIMILAR TO SWIMMING POOLS OR TROPICAL SEAS AT LOW COST

12- The invention discloses a process to implement and maintain water bodies larger than 15,000 m^3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps:

a.- providing a structure able to contain a large water body larger than 15,000 m^3;

b.- feeding the structure to step (a) with inlet water having iron and manganese levels lower than 1.5ppm and turbidity lower than 5 NTU;

c.- measuring water pH, ideally it should be within a range lower than 7.8;

d.- adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 mV minimal ORP is controlled in water for a minimal period of 4

hours and in maximal cycles of 48 hours;

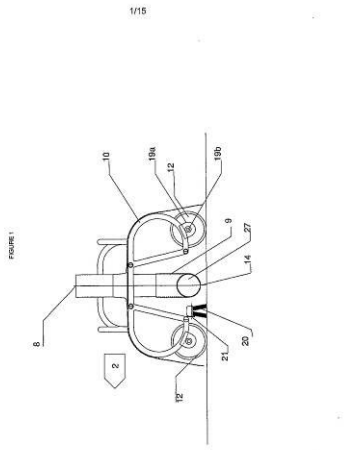
e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and;

f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering.

The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by mean of skimmers and the suction device to clean said structure.

Figure 10

13-



14- C02F 1/40

(11)- KH/P/2018/00012 SG

(12)- B

(13)- 00029

(14)- DOLBY LABORATORIES LICENSING CORPORATION [US]

(15)- MILLER, Jon, Scott [US]; DALY, Scott [US]; NEZAMABADI, Mahdi [US] and ATKINS, Robin [US]

(16)- SCL SP&P COMPANY LIMITED

(17)- KH/P/2018/00012 SG

(18)- Receiving Date: 16/07/2018

SG Filing Date: 06/12/2012 SG Registration Number: 10201606121 2P

(19)- 61/567,579 06/12/2011 US; 61/674,503 23/07/2012 US and 61/703,449 20/09/2012 US

(20)- ថ្ងៃទី10 ខែកញ្ញា ឆ្នាំ2018

(21)- DEVICE AND METHOD OF IMPROVING THE PERCEPTUAL LUMINANCE NONLINEARITY-BASED IMAGE DATA EXCHANGE ACROSS DIFFERENT DISPLAY CAPABILITIES

(22)- A handheld imaging device has a data receiver that is configured to receive reference encoded image data. The data includes reference code values, which are encoded by an external coding system. The reference code values represent reference gray levels, which are being selected using a reference grayscale display function that is based on perceptual non-linearity of human vision adapted at different light levels to spatial frequencies. The imaging device also has a data converter that is configured to access a code mapping between the reference code values and device-specific code values of the imaging device. The device-specific code values are configured to produce gray levels that are specific to the imaging device. Based on the code mapping, the data converter is configured to transcode the reference encoded image data into device-specific image data, which is encoded with the device-specific code values.

Fig. 5

(១៣-

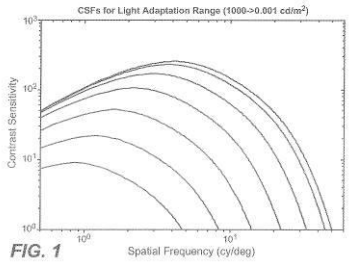


FIG. 1

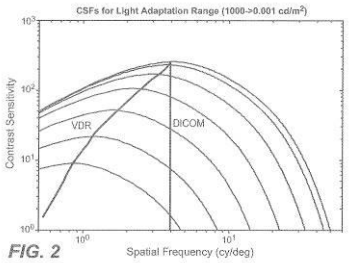


FIG. 2

(១៥- G06K 9/36

1- KH/P/2018/00012 SG

2- B

3- 00029

4- DOLBY LABORATORIES LICENSING CORPORATION [US]

5- MILLER, Jon, Scott [US]; DALY, Scott [US]; NEZAMABADI, Mahdi [US] and ATKINS, Robin [US]

6- SCL SP&P COMPANY LIMITED

7- KH/P/2018/00012 SG

8- Receiving Date: 16/07/2018
SG Filing Date: 06/12/2012 SG Registration Number: 10201604112P

9- 61/567,579 06/12/2011 US; 61/674,503 23/07/2012 US and 61/703,449 20/09/2012 US

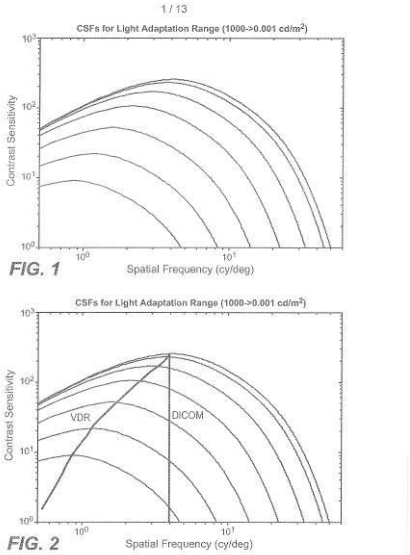
10- 10 September, 2018

11- DEVICE AND METHOD OF IMPROVING THE PERCEPTUAL LUMINANCE NONLINEARITY-BASED IMAGE DATA EXCHANGE ACROSS DIFFERENT DISPLAY CAPABILITIES

12- A handheld imaging device has a data receiver that is configured to receive reference encoded image data. The data includes reference code values, which are encoded by an external coding system. The reference code values represent reference gray levels, which are being selected using a reference grayscale display function that is based on perceptual non-linearity of human vision adapted at different light levels to spatial frequencies. The imaging device also has a data converter that is configured to access a code mapping between the reference code values and device-specific code values of the imaging device. The device-specific code values are configured to produce gray levels that are specific to the imaging device. Based on the code mapping, the data converter is configured to transcode the reference encoded image data into device-specific image data, which is encoded with the device-specific code values.

Fig. 5

13-



14- G06K 9/36

(១)- KH/P/២០១៨/០០០១៣ SG

(២)- ខ

(៣)- ០០០៣០

(៤)- DOLBY INTERNATIONAL AB [NL]

(៥)- VILLEMOES, Lars [DK]; PURNHAGEN, Heiko [SE] and EKSTRAND PER [SE]

(៦)- SCL SP&P COMPANY LIMITED

(៧)- KH/P/២០១៨/០០០១៣ SG

(៨)- Receiving Date: ១៦/០៧/២០១៨

SG Filing Date: ១០/០៣/២០១៦ SG Registration Number: ១០២០២០០៥២៦០V

(៩)- 15159067.6 13/03/2015 EP and 62/133,800 16/03/2015 US

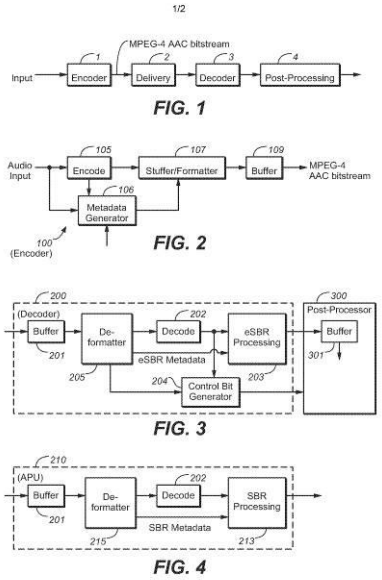
(១០)- ថ្ងៃទី១០ ខែកញ្ញា ឆ្នាំ២០១៨

(១១)- DECODING AUDIO BITSTREAMS WITH ENHANCED SPECTRAL BAND REPLICATION METADATA IN AT LEAST ONE FILL ELEMENT

(១២)- Embodiments relate to an audio processing unit that includes a buffer, bitstream payload deformatter, and a decoding subsystem. The buffer stores at least one block of an encoded audio bitstream. The block includes a fill element that begins with an identifier followed by fill data. The fill data includes at least one flag identifying whether enhanced spectral band replication (eSBR) processing is to be performed on audio content of the block. A corresponding method for decoding an encoded audio bitstream is also provided.

Fig. 7

(៣-



(៥- G10L 19/035, G10L 19/16

1- KH/P/2018/00013 SG

2- B

3- 00030

4- DOLBY INTERNATIONAL AB [NL]

5- VILLEMOES, Lars [DK]; PURNHAGEN, Heiko [SE] and EKSTRAND PER [SE]

6- SCL SP&P COMPANY LIMITED

7- KH/P/2018/00013 SG

8- Receiving Date: 16/07/2018

SG Filing Date: 10/03/2016 SG Registration Number: 10202005260V

9- 15159067.6 13/03/2015 EP and 62/133,800 16/03/2015 US

10- 10 September, 2018

11- DECODING AUDIO BITSTREAMS WITH ENHANCED SPECTRAL BAND REPLICATION METADATA IN AT LEAST ONE FILL ELEMENT

12- Embodiments relate to an audio processing unit that includes a buffer, bitstream payload deformatter, and a decoding subsystem. The buffer stores at least one block of an encoded audio bitstream. The block includes a fill element that begins with an identifier followed by fill data. The fill data includes at least one flag identifying whether enhanced spectral band replication (eSBR) processing is to be performed on audio content of the block. A corresponding method for decoding an encoded audio bitstream is also provided.

Fig. 7

13-

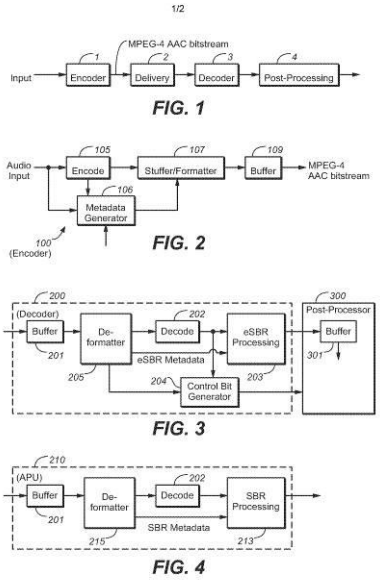


FIG. 1

FIG. 2

FIG. 3

FIG. 4

14- G10L 19/035, G10L 19/16

(១)- KH/P/២០១៨/០០០១៥ SG

(២)- ខ

(៣)- ០០០៣៥

(៤)- EYED PHARMA [BE]

(៥)- RAKIC, Jean-Marie [BE] and FOIDART, Jean-Michel [BE]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០១៥ SG

(៨)- Receiving Date: ១៦/១០/២០១៨

SG Filing Date: ១៥/១១/២០១៥ SG Registration Number: ១១២០៩៦០៣៧២៧R

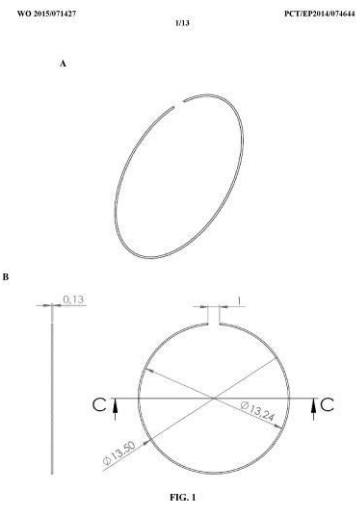
(៩)- 13192889.7 14/11/2013 EP

(១០)- ថ្ងៃទី១២ ខែមីនា ឆ្នាំ២០១៩

(១១)- EYE DEVICE

(១២)- The invention provides a sustained release intraocular drug delivery device comprising: (a) a polymeric matrix core into which at least one therapeutic agent is mixed, and; (b) a polymeric coating completely surrounding said polymeric matrix material; wherein said polymeric matrix core and polymeric coating are insoluble and inert in ocular fluids, and wherein said sustained release intraocular drug delivery device has a compliant annular segment shape and is to be inserted into the sulcus of the intact and/or pseudophakic eye.

(១៣)-



๑๕-	A61F 2/14, A61F 9/00, A61F 9/007, A61K 9/00

1- KH/P/2018/00015 SG

2- B

3- 00035

4- EYED PHARMA [BE]

5- RAKIC, Jean-Marie [BE] and FOIDART, Jean-Michel [BE]

6- Kimly IP Service

7- KH/P/2018/00015 SG

8- Receiving Date: 16/10/2018

SG Filing Date: 14/11/2014 SG Registration Number: 11201603727R

9- 13192889.7 14/11/2013 EP

10- 12 March, 2019

11- EYE DEVICE

12- The invention provides a sustained release intraocular drug delivery device comprising: (a) a polymeric matrix core into which at least one therapeutic agent is mixed, and; (b) a polymeric coating completely surrounding said polymeric matrix material; wherein said polymeric matrix core and polymeric coating are insoluble and inert in ocular fluids, and wherein said sustained release intraocular drug delivery device has a compliant annular segment shape and is to be inserted into the sulcus of the intact and/or pseudophakic eye.

13-

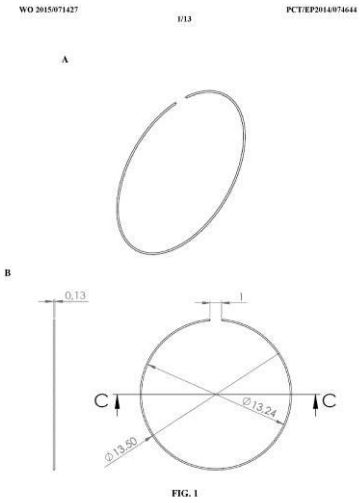


FIG. 1

14- A61F 2/14, A61F 9/00, A61F 9/007, A61K 9/00

(១)- KH/P/២០១៨/០០០១៦ SG

(២)- ខ

(៣)- ០០០៣៦

(៤)- THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY [US]

(៥)- FAN, HEI-MUN, CHRISTINA [CN] and QUAKE, STEPHEN, R. [US]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៨/០០០១៦ SG

(៨)- Receiving Date: ១២/១១/២០១៨

SG Filing Date: ១៦/០៩/២០០៩ SG Registration Number: ១០២០១៥០០៥៦៧V

(៩)- 61/098,758 20/09/2008 US

(១០)- ថ្ងៃទី១២ ខែមីនា ឆ្នាំ២០១៩

(១១)- NONINVASIVE DIAGNOSIS OF FETAL ANEUPLOIDY BY SEQUENCING

(១២)- Disclosed is a method to achieve digital quantification of DNA (i.e., counting differences between identical sequences) using direct shotgun sequencing followed by mapping to the chromosome of origin and enumeration of fragments per chromosome. The preferred method uses massively parallel sequencing, which can produce tens of millions of short sequence tags in a single run and enabling a sampling that can be statistically evaluated. By counting the number of sequence tags mapped to a predefined window in each chromosome, the over- or under- representation of any chromosome in maternal plasma DNA contributed by an aneuploid fetus can be detected. This method does not require the differentiation of fetal versus maternal DNA. The median count of autosomal values is used as a normalization constant to account for differences in total number of sequence tags is used for comparison between samples and between chromosomes.

Figure 1A

(៣)-

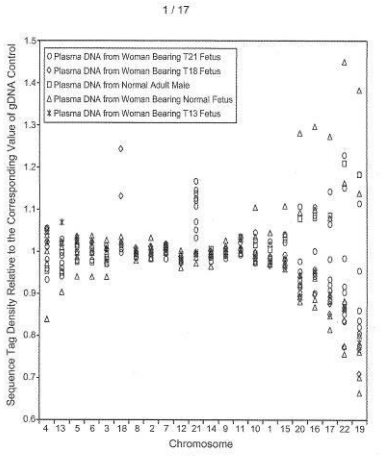


FIG. 1A

(៥)- C12Q 1/68, G01N 33/48, G06F 19/20

1- KH/P/2018/00016 SG

2- B

3- 00036

4- THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY [US]

5- FAN, HEI-MUN, CHRISTINA [CN] and QUAKE, STEPHEN, R. [US]

6- Kimly IP Service

7- KH/P/2018/00016 SG

8- Receiving Date: 12/11/2018

SG Filing Date: 16/09/2009 SG Registration Number: 10201500567V

9- 61/098,758 20/09/2008 US

10- 12 March, 2019

11- NONINVASIVE DIAGNOSIS OF FETAL ANEUPLOIDY BY SEQUENCING

12- Disclosed is a method to achieve digital quantification of DNA (i.e., counting differences between identical sequences) using direct shotgun sequencing followed by mapping to the chromosome of origin and enumeration of fragments per chromosome. The preferred method uses massively parallel sequencing, which can produce tens of millions of short sequence tags in a single run and enabling a sampling that can be statistically evaluated. By counting the number of sequence tags mapped to a predefined window in each chromosome, the over- or under- representation of any chromosome in maternal plasma DNA contributed by an aneuploid fetus can be detected. This method does not require the differentiation of fetal versus maternal DNA. The median count of autosomal values is used as a normalization constant to account for differences in total number of sequence tags is used for comparison between samples and between chromosomes.

Figure 1A

13-

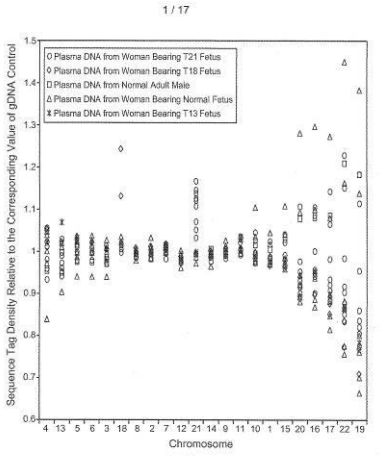


FIG. 1A

14- C12Q 1/68, G01N 33/48, G06F 19/20

១- KH/P/២០១៨/០០០១៧ SG

២- ខ

៣- ០០០៣៧

៤- TRENDS HOME ELECTRICAL PTE. LTD. [SG]

៥- HO, WEE TECK [SG]; TAY, TIAU KAI [SG] and TAN, CHEE SENG [SG]

៦- Kimly IP Service

៧- KH/P/២០១៨/០០០១៧ SG

៨- Receiving Date: ០៣/១២/២០១៨

SG Filing Date: ១១/០៧/២០០៩ SG Registration Number: ១០២០១៦០៥៦៦៨Q

៩-

១០- ថ្ងៃទី១២ ខែមីនា ឆ្នាំ២០១៩

១១- IMPROVED AIR-CONDITIONER UNIT

១២- An air-conditioner unit comprising a temperature regulation unit having a condenser; a tray for collecting a condensate from the condenser; a condensate filtration unit comprising at least one conduit connected to the tray and arranged to receive the condensate from the tray; a dispenser arranged to receive filtered condensate from the condensate filtration unit; wherein the air-conditioner unit comprises a controller to switch the condensate filtration unit between a purging state and a dispensing state.

FIG. 1a

១៣-

1/11

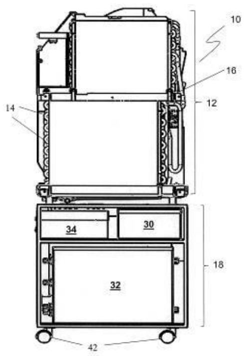


Fig. 1a

១៤- F24F 13/22, F25D 21/14

1- KH/P/2018/00017 SG

2- B

3- 00037

4- TRENDS HOME ELECTRICAL PTE. LTD. [SG]

5- HO, WEE TECK [SG]; TAY, TIAU KAI [SG] and TAN, CHEE SENG [SG]

6- Kimly IP Service

7- KH/P/2018/00017 SG

8- Receiving Date: 03/12/2018

SG Filing Date: 11/07/2009 SG Registration Number: 10201605668Q

9-

10- 12 March, 2019

11- IMPROVED AIR-CONDITIONER UNIT

12- An air-conditioner unit comprising a temperature regulation unit having a condenser; a tray for collecting a condensate from the condenser; a condensate filtration unit comprising at least one conduit connected to the tray and arranged to receive the condensate from the tray; a dispenser arranged to receive filtered condensate from the condensate filtration unit; wherein the air-conditioner unit comprises a controller to switch the condensate filtration unit between a purging state and a dispensing state.

FIG. 1a

13-

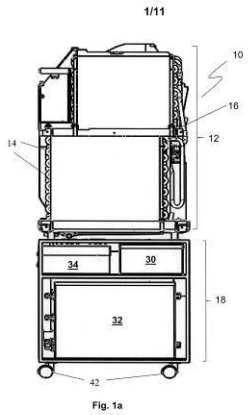


Fig. 1a

14- F24F 13/22, F25D 21/14

(១)- KH/P/២០១៩/០០០០១ SG

(២)- ខ

(៣)- ០០០៥៦

(៤)- TIEN-SHU HSU [TW]

(៥)- TIEN-SHU HSU [TW]

(៦)- Angkor IP

(៧)- KH/P/២០១៩/០០០០១ SG

(៨)- Receiving Date: ២២/០១/២០១៩

SG Filing Date: ២០/០៧/២០១៥ SG Registration Number: ១០២០១៥០៥៦៣៥Q

(៩)- 103134847 07/10/2014 TW

(១០)- ថ្ងៃទី៣ ខែសីហា ឆ្នាំ២០២០

(១១)- WINNING GAME SYSTEM

(១២)- A winning game system to allow a player to play and get a prize includes a user interface, an accumulation unit and a winning calculation payment unit. The user interface includes a plurality of selection buttons that can be picked by the player to display obtained items which include a plurality of prizes and at least one end prize. The winning game ends immediately when the end prize is picked by the player. The accumulation unit accumulates the prize picked by the player. After the end prize is picked by the player, the winning calculation payment unit, based on the accumulated prize got by the accumulation unit, calculates the winning and pays the player, thus provides excitement of unpredictable ending the winning game and increases the appeal of the winning game to the player.

Fig. 1

(73)-

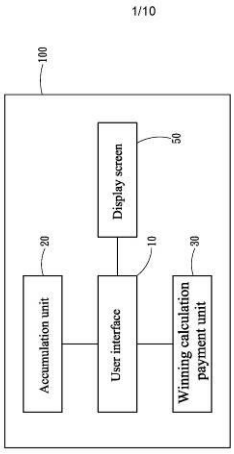


Fig. 1

(51)- A63F 13/10, G07F 17/32

(11)- KH/P/2019/00001 SG

2- B

3- 00056

4- TIEN-SHU HSU [TW]

5- TIEN-SHU HSU [TW]

6- Angkor IP

7- KH/P/2019/00001 SG

8- Receiving Date: 22/01/2019

SG Filing Date: 20/07/2015 SG Registration Number: 10201505634Q

9- 103134847 07/10/2014 TW

10- 3 August, 2020

11- WINNING GAME SYSTEM

12- A winning game system to allow a player to play and get a prize includes a user interface, an accumulation unit and a winning calculation payment unit. The user interface includes a plurality of selection buttons that can be picked by the player to display obtained items which include a plurality of prizes and at least one end prize. The winning game ends immediately when the end prize is picked by the player. The accumulation unit accumulates the prize picked by the player. After the end prize is picked by the player, the winning calculation payment unit, based on the accumulated prize got by the accumulation unit, calculates the winning and pays the player, thus provides excitement of unpredictable ending the winning game and increases the appeal of the winning game to the player.

Fig. 1

13-

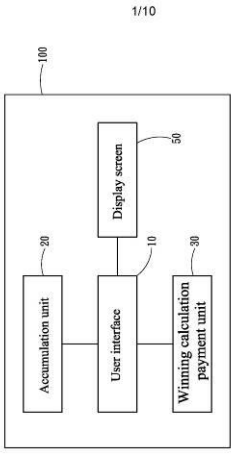


Fig. 1

14- A63F 13/10, G07F 17/32

១- KH/P/២០១៩/០០០០២ SG

២- ຮ

៣- ០០០៣៨

៤- GRABTAXI HOLDINGS PTE. LTD. [SG]

៥- LAW HUI HORNG, Ryan [SG] and SCOTT, Corey [SG]

៦- TILLEKE & GIBBINS(CAMBODIA) LTD.,

៧- KH/P/២០១៩/០០០០២ SG

៨- Receiving Date: ២៨/០១/២០១៩

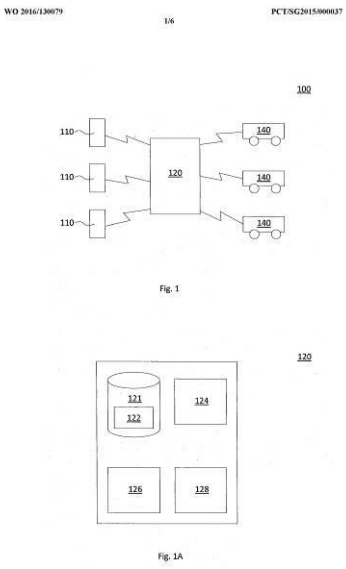
SG Filing Date: ១០/០២/២០១៥ SG Registration Number: ១១២០១៧០៦៤២៣T

៩-

១០- ថ្ងៃទី១២ ខែមេសា ឆ្នាំ២០១៩

១១- SYSTEM CONFIGURED TO IDENTIFY AND FILTER UNDESIRABLE VEHICLE BOOKING REQUESTS AND METHOD THEREOF

១២- The present invention relates to a vehicle booking system having a server configured to communicate with a plurality of vehicles, such that the server is configured to receive and store a plurality of vehicle booking requests in a vehicle booking requests database and the server is configured to identify and filter a plurality of undesirable vehicle booking requests from the plurality of vehicle booking requests to obtain a plurality of desirable vehicle booking requests and transmit the plurality of desirable vehicle booking requests to the plurality of vehicles. Further, the present invention provides a method of booking a vehicle.

(៣)- 

(៥)- G06Q 10/00

1- KH/P/2019/00002 SG

2- B

3- 00038

4- GRABTAXI HOLDINGS PTE. LTD. [SG]

5- LAW HUI HORNG, Ryan [SG] and SCOTT, Corey [SG]

6- TILLEKE & GIBBINS(CAMBODIA) LTD.,

7- KH/P/2019/00002 SG

8- Receiving Date: 28/01/2019

SG Filing Date: 10/02/2015 SG Registration Number: 11201706423T

9-

10- 12 April, 2019

11- SYSTEM CONFIGURED TO IDENTIFY AND FILTER UNDESIRABLE VEHICLE BOOKING REQUESTS AND METHOD THEREOF

12- The present invention relates to a vehicle booking system having a server configured to communicate with a plurality of vehicles, such that the server is configured to receive and store a plurality of vehicle booking requests in a vehicle booking requests database and the server is configured to identify and filter a plurality of undesirable vehicle booking requests from the plurality of vehicle booking requests to obtain a plurality of desirable vehicle booking requests and transmit the plurality of desirable vehicle booking requests to the plurality of vehicles. Further, the present invention provides a method of booking a vehicle.

13-

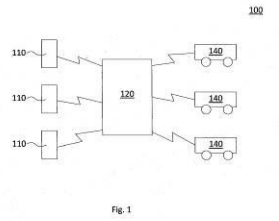


Fig. 1

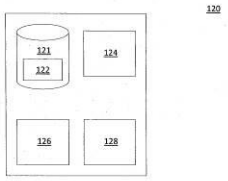


Fig. 1A

14- G06Q 10/00

១- KH/P/២០១៩/០០០០៣ SG

២- ខ

៣- ០០០៣៩

៤- Instad Pre Fabrication Pte Ltd [SG]

៥- Kwan Heng CHAN [SG]

៦- Kimly IP Service

៧- KH/P/២០១៩/០០០០៣ SG

៨- Receiving Date: ១៨/០២/២០១៩

SG Filing Date: ២៥/០៧/២០១៦ SG Registration Number: ១០២០១៦០៦១៣០V

៩-

១០- ថ្ងៃទី២៧ ខែវិច្ឆិកា ឆ្នាំ២០១៩

១១- A Duct Panel

១២- A duct panel, a method of manufacturing a duct panel, a duct section and a method of installing a duct are disclosed. The duct panel includes a laminate structure having an insulation layer disposed between a first support layer and a second support layer, the laminate structure having an end width; and an end cap attached to the end width and configured to be coupled to a mounting flange, wherein the mounting flange is configured to mount the duct panel. The end cap and the mounting flange comprise different materials.

Figure 1A

(13)-

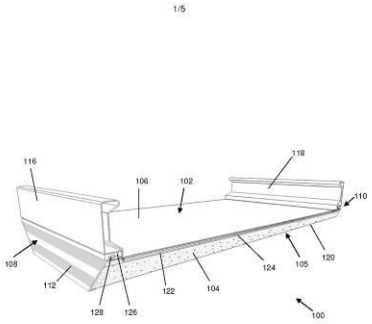


Figure 1A

(15)- F24F 13/02

1- KH/P/2019/00003 SG

2- B

3- 00039

4- Instad Pre Fabrication Pte Ltd [SG]

5- Kwan Heng CHAN [SG]

6- Kimly IP Service

7- KH/P/2019/00003 SG

8- Receiving Date: 18/02/2019

SG Filing Date: 25/07/2016 SG Registration Number: 10201606130V

9-

10- 27 November, 2019

11- A Duct Panel

12- A duct panel, a method of manufacturing a duct panel, a duct section and a method of installing a duct are disclosed. The duct panel includes a laminate structure having an insulation layer disposed between a first support layer and a second support layer, the laminate structure having an end width; and an end cap attached to the end width and configured to be coupled to a mounting flange, wherein the mounting flange is configured to mount the duct panel. The end cap and the mounting flange comprise different materials.

Figure 1A

13-

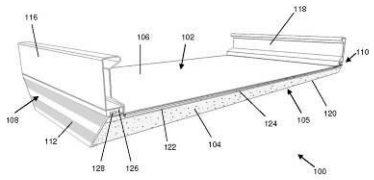


Figure 1A

14- F24F 13/02

(១)- KH/P/២០១៩/០០០០៤ SG

(២)- ខ

(៣)- ០០០៤០

(៤)- BIZPLAY CO., LTD [KR]

(៥)- SEOK, Chang Kue [KR]

(៦)- TILLEKE & GIBBINS(COMBODIA) LTD.,

(៧)- KH/P/២០១៩/០០០០៤ SG

(៨)- Receiving Date: ១៣/០៣/២០១៩

SG Filing Date: ១៥/០៦/២០១៧ SG Registration Number: ១១២០១៧០៦០១៥T

(៩)- 10-2016-0074556 15/06/2016 KR

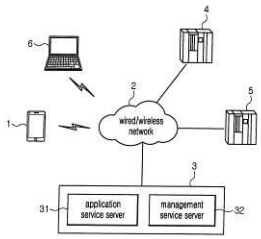
(១០)- ថ្ងៃទី៣០ ខែធ្នូ ឆ្នាំ២០១៩

(១១)- SYSTEM, METHOD AND COMPUTER PROGRAM FOR MANAGING USAGE OF CORPORATE CARD

(១២)- A system for managing use of a corporate card comprises: an application service server configured to receive a corporate card usage detail request from a first user device of a corporate card user, receive corporate card usage details from a card company server as a reply to the request, and transmit the corporate card usage details to the first user device; and a management service server configured to receive, from the first user device, selection information for at least one usage detail to be submitted to process expenses from the corporate card usage details, saving the selection information, and transmit notification information corresponding to the selection information to a second user device of a person responsible for expense processing. By using the system for managing use of a corporate card, the credit limit and usage details can be viewed in real-time, a person responsible for expense processing can be designated to the corporate card usage detail that has been viewed and the usage purpose can be entered to easily deliver relevant receipt data to the person responsible for expense processing, and can enable the person responsible for expense processing to view corporate card receipt data by sending the designated person responsible for expense processing a notification.

(13)-

Figure 1



1/12

(51)- G06Q 10/10, G06Q 20/02, G06Q 20/34, G06Q 20/38, G06Q 30/06, G06Q 40/02, H04L 12/58, H04L 29/08, H04W 4/12, H04W 4/14

1- KH/P/2019/00004 SG

2- B

3- 00040

4- BIZPLAY CO., LTD [KR]

5- SEOK, Chang Kue [KR]

6- TILLEKE & GIBBINS(COMBODIA) LTD.,

7- KH/P/2019/00004 SG

8- Receiving Date: 13/03/2019

SG Filing Date: 15/06/2017 SG Registration Number: 11201706015T

9- 10-2016-0074556 15/06/2016 KR

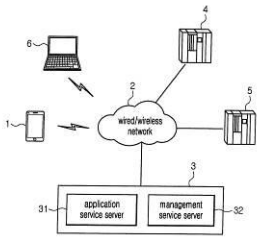
10- 30 December, 2019

11- SYSTEM, METHOD AND COMPUTER PROGRAM FOR MANAGING USAGE OF CORPORATE CARD

12- A system for managing use of a corporate card comprises: an application service server configured to receive a corporate card usage detail request from a first user device of a corporate card user, receive corporate card usage details from a card company server as a reply to the request, and transmit the corporate card usage details to the first user device; and a management service server configured to receive, from the first user device, selection information for at least one usage detail to be submitted to process expenses from the corporate card usage details, saving the selection information, and transmit notification information corresponding to the selection information to a second user device of a person responsible for expense processing. By using the system for managing use of a corporate card, the credit limit and usage details can be viewed in real-time, a person responsible for expense processing can be designated to the corporate card usage detail that has been viewed and the usage purpose can be entered to easily deliver relevant receipt data to the person responsible for expense processing, and can enable the person responsible for expense processing to view corporate card receipt data by sending the designated person responsible for expense processing a notification.

13-

Figure 1



1/12

14- G06Q 10/10, G06Q 20/02, G06Q 20/34, G06Q 20/38, G06Q 30/06, G06Q 40/02, H04L 12/58, H04L 29/08, H04W 4/12, H04W 4/14

(19) KH/P/2019/00005 SG

(12) B

(13) 00050

(54) GRABTAXI HOLDINGS PTE. LTD. [SG]

(75) Pan Yaozhang [SG]; Desai Swara [IN]; Yang Cao [SG]; Lye Kong-wei [SG] and Lee Kevin [SG]

(74) TILLEKE & GIBBINS(COMBODIA) LTD.,

(11) KH/P/2019/00005 SG

(22) Receiving Date: 10/05/2019

SG Filing Date: 04/01/2016 SG Registration Number: 102016000264T

(9)

(10) ថ្ងៃទី១២ ខែកុម្ភៈ ឆ្នាំ២០២០

(11) SYSTEM AND METHOD FOR DRIVER SELECTION

(12) A method for multiple-round driver selection performed by a computing system, the method including receiving a service request from a user device; identifying a plurality of driver candidates based in part on the service request, such that each of the plurality of driver candidates has driver data; for each of the plurality of driver candidates, generating a score based on the driver data; grouping the plurality of driver candidates into a plurality of candidate groups based in part on the score of each of the plurality of driver candidates; iteratively transmitting a job request to each candidate group of the plurality of candidate groups until one or more job acceptance is received in response to the job request, such that the job request is transmitted to all drivers in each candidate group; selecting one of the one or more job acceptances; and assigning the service request to the driver associated with the selected one of the one or more job acceptances.

[Figure 2]

(13)-

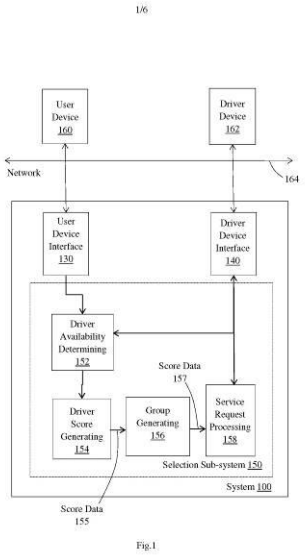


Fig.1

(15)- G06Q 10/02, G06Q 50/30

1- KH/P/2019/00005 SG

2- B

3- 00040

4- GRABTAXI HOLDINGS PTE. LTD. [SG]

5- Pan Yaozhang [SG]; Desai Swara [IN]; Yang Cao [SG]; Lye Kong-wei [SG] and Lee Kevin [SG]

6- TILLEKE & GIBBINS(COMBODIA) LTD.,

7- KH/P/2019/00005 SG

8- Receiving Date: 10/05/2019

SG Filing Date: 04/01/2016 SG Registration Number: 10201600024T

9-

10- 12 February, 2020

11- SYSTEM AND METHOD FOR DRIVER SELECTION

12- A method for multiple-round driver selection performed by a computing system, the method including receiving a service request from a user device; identifying a plurality of driver candidates based in part on the service request, such that each of the plurality of driver candidates has driver data; for each of the plurality of driver candidates, generating a score based on the driver data; grouping the plurality of driver candidates into a plurality of candidate groups based in part on the score of each of the plurality of driver candidates; iteratively transmitting a job request to each candidate group of the plurality of candidate groups until one or more job acceptance is received in response to the job request, such that the job request is transmitted to all drivers in each candidate group; selecting one of the one or more job acceptances; and assigning the service request to the driver associated with the selected one of the one or more job acceptances.

[Figure 2]

13-

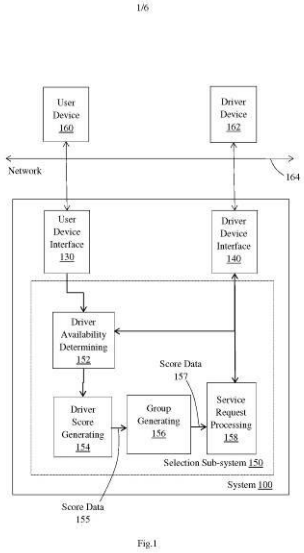


Fig.1

14- G06Q 10/02, G06Q 50/30

(១)- KH/P/២០១៩/០០០០៦ SG

(២)- ខ

(៣)- ០០០៤១

(៤)- DAIKIN RESEARCH & DEVELOPMENT MALAYSIA SDN. BHD. [MY]

(៥)- LEE, Fu Kang [MY]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៩/០០០០៦ SG

(៨)- Receiving Date: ១០/០៦/២០១៩

SG Filing Date: ៣០/០៩/២០១៦ SG Registration Number: ១១២០១៨០៣៦១៣P

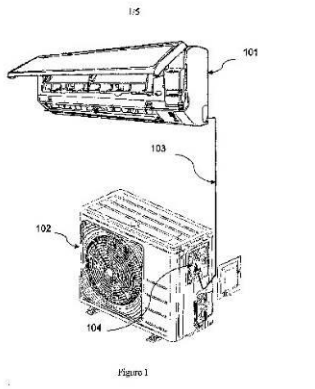
(៩)- PI 2015703954 03/11/2015 MY

(១០)- ថ្ងៃទី៦ ខែមករា ឆ្នាំ២០២០

(១១)- SUPPORT PANEL FOR AN OUTDOOR UNIT OF AN AIR-CONDITIONING APPARATUS

(១២)- The present invention provides an outdoor unit of an air-conditioning apparatus having a support panel (201), the support panel (201) comprising a cut-away portion (405,406,407) defining a flap (203) portion, the flap (203) is flexed inwardly into the outdoor unit; and at least one bridge member (202) extending from any free end portion of the flap (203) to a corresponding edge of the support panel (201).

(១៣)-



๑๕-	F24F 1/46, F24F 1/56, F24F 13/20

1- KH/P/2019/00006 SG

2- B

3- 00041

4- DAIKIN RESEARCH & DEVELOPMENT MALAYSIA SDN. BHD. [MY]

5- LEE, Fu Kang [MY]

6- Kimly IP Service

7- KH/P/2019/00006 SG

8- Receiving Date: 10/06/2019

SG Filing Date: 30/09/2016 SG Registration Number: 11201803613P

9- PI 2015703954 03/11/2015 MY

10- 6 January, 2020

11- SUPPORT PANEL FOR AN OUTDOOR UNIT OF AN AIR-CONDITIONING

APPARATUS

12- The present invention provides an outdoor unit of an air-conditioning apparatus having a support panel (201), the support panel (201) comprising a cut-away portion (405,406,407) defining a flap (203) portion, the flap (203) is flexed inwardly into the outdoor unit; and at least one bridge member (202) extending from any free end portion of the flap (203) to a corresponding edge of the support panel (201).

13-

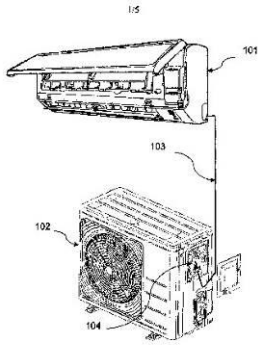


Figure 1

14- F24F 1/46, F24F 1/56, F24F 13/20

(19)- KH/P/2019/00007 SG

(12)- B

(13)- 00042

(54)- DAIKIN RESEARCH & DEVELOPMENT MALAYSIA SDN. BHD. [MY]

(72)- LEE, Fu Kang [MY]

(74)- Kimly IP Service

(11)- KH/P/2019/00007 SG

(22)- Receiving Date: 10/06/2019

SG Filing Date: 30/09/2016 SG Registration Number: 1120190306 95Y

(31)- PI 2015703955 03/11/2015 MY

(45)- ថ្ងៃទី៦ ខែមករា ឆ្នាំ២០២០

(54)- PROTECTIVE SHIELD FOR AN AIR DISCHARGE PORT OF AN AIR CONDITIONER OUTDOOR UNIT

(57)- The present invention relates to a protective shield (10) for mounting on an air discharge port of an air conditioner outdoor unit having a fan comprising a frame (1) having an opening with a curved circumferential edge (2); and a grille (3) having a plurality of curved ribs (4) arranged around the periphery (3B) of the grille (3), the ribs (4) extends from one side of the grille (3) to the curved circumferential edge (2), such that the grille (3) is positioned at a level above one surface of the frame (1).

(៣)-

1/6

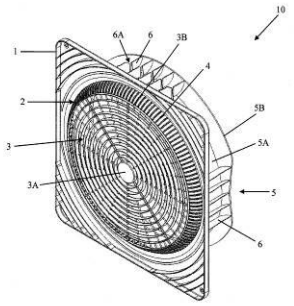


FIGURE 1

(៥)- F24F 1/38, F24F 1/56, F24F 13/08

1- KH/P/2019/00007 SG

2- B

3- 00042

4- DAIKIN RESEARCH & DEVELOPMENT MALAYSIA SDN. BHD. [MY]

5- LEE, Fu Kang [MY]

6- Kimly IP Service

7- KH/P/2019/00007 SG

8- Receiving Date: 10/06/2019

SG Filing Date: 30/09/2016 SG Registration Number: 11201803614Y

9- PI 2015703955 03/11/2015 MY

10- 6 January, 2020

11- PROTECTIVE SHIELD FOR AN AIR DISCHARGE PORT OF AN AIR CONDITIONER OUTDOOR UNIT

12- The present invention relates to a protective shield (10) for mounting on an air discharge port of an air conditioner outdoor unit having a fan comprising a frame (1) having an opening with a curved circumferential edge (2); and a grille (3) having a plurality of curved ribs (4) arranged around the periphery (3B) of the grille (3), the ribs (4) extends from one side of the grille (3) to the curved circumferential edge (2), such that the grille (3) is positioned at a level above one surface of the frame (1).

13-

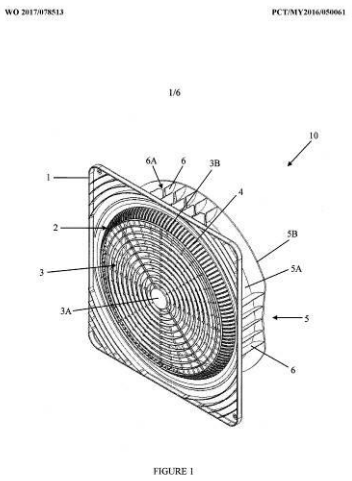


FIGURE 1

14- F24F 1/38, F24F 1/56, F24F 13/08

(១)- KH/P/២០១៩/០០០០៨ SG

(២)- ខ

(៣)- ០០០៤៣

(៤)- DAIKIN RESEARCH & DEVELOPMENT MALAYSIA SDN. BHD. [MY]

(៥)- LEE, Fu Kang [MY]

(៦)- Kimly IP Service

(៧)- KH/P/២០១៩/០០០០៨ SG

(៨)- Receiving Date: ១០/០៦/២០១៩

SG Filing Date: ៣០/០៩/២០១៦ SG Registration Number: ១១២០១៨០៣៦១៦S

(៩)- PI 2015703956 03/11/2015 MY

(១០)- ថ្ងៃទី៦ ខែមករា ឆ្នាំ២០២០

(១១)- A REINFORCED CORNER CARTON

(១២)- A carton made of a foldable material comprising: a plurality of reinforced corners which is folded inwardly to form a flap (7, 8, 9); a top (1) and bottom covers (3) each having an inner surface shaped in way to accommodate the flap (7, 8, 9). The inner surface is being configured as U-shape slots (6), in which the position of each slot (6) shall correspond to corners of the covers. The flaps (7, 8, 9) of each corner will insert into U-shape slot (6) of the block at the top (1) and bottom covers (3). All corners with the flaps (7, 8, 9) will be fixed position into U-shape slot (6) on the top (1) and bottom covers (3) to withstand a force acted on the carton.

១៣-

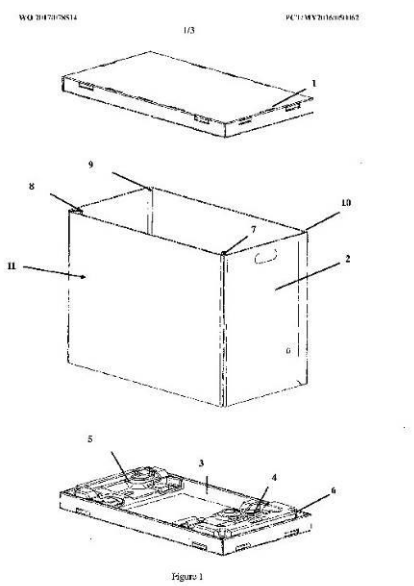


Figure 1

១៥- B65D 5/12, B65D 5/32, B65D 5/44

1- KH/P/2019/00008 SG

2- B

3- 00043

4- DAIKIN RESEARCH & DEVELOPMENT MALAYSIA SDN. BHD. [MY]

5- LEE, Fu Kang [MY]

6- Kimly IP Service

7- KH/P/2019/00008 SG

8- Receiving Date: 10/06/2019

SG Filing Date: 30/09/2016 SG Registration Number: 11201803616S

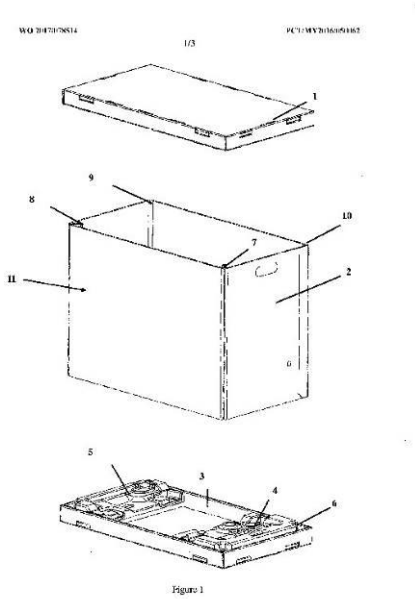
9- PI 2015703956 03/11/2015 MY

10- 6 January, 2020

11- A REINFORCED CORNER CARTON

12- A carton made of a foldable material comprising: a plurality of reinforced corners which is folded inwardly to form a flap (7, 8, 9); a top (1) and bottom covers (3) each having an inner surface shaped in way to accommodate the flap (7, 8, 9). The inner surface is being configured as U-shape slots (6), in which the position of each slot (6) shall correspond to corners of the covers. The flaps (7, 8, 9) of each corner will insert into U-shape slot (6) of the block at the top (1) and bottom covers (3). All corners with the flaps (7, 8, 9) will be fixed position into U-shape slot (6) on the top (1) and bottom covers (3) to withstand a force acted on the carton.

13-



14- B65D 5/12, B65D 5/32, B65D 5/44

(19) KH/P/2019/00008 SG

(12) B

(31) 00064

(71) CS Construction & Geotechnic Pte. Ltd [SG]

(72) CHONG, Kwong Hsen, Kevin [SG]; LOH, Boon Chong [SG]; LIM, Yong Keng Danny [SG] and WAN, Bao Yuan [SG]

(74) Kimly IP Service

(11) KH/P/2019/00008 SG

(24) Receiving Date: 30/07/2019

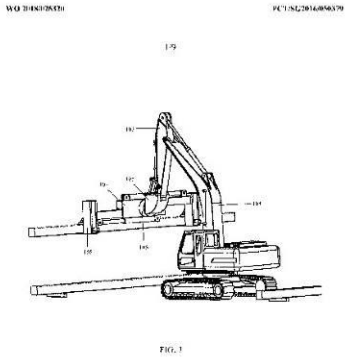
SG Filing Date: 05/08/2016 SG Registration Number: 11201607087W

(9)

(10) ថ្ងៃទី12 ខែកុម្ភៈ ឆ្នាំ2020

(11) System and Method for Securing, Moving and Placing a Pile or Heavy Elongated Object

(12) The present invention provides an improved system and method to transfer heavy, elongated objects safely and efficiently. It includes a system for gripping, moving, rotating and placing an elongated object, such as a reinforced concrete (RC) pile. The system includes a chassis, a hydraulic geared motor driven gearbox and a connecting member. The chassis includes a pair of gripping members, each composed of a load backrest, an upper clamping jaw and one or more lower fork tines. The distance between the gripping members can be adjusted to account for objects of various lengths. The hydraulic geared motor driven gearbox can rotate the chassis and elongated object from horizontal to vertical. The invention is particularly useful in gripping and moving a pile to a desired location, then rotating it into a vertical orientation and placing it into the ground.

(13)- 

(15)- B66C 1/42

1- KH/P/2019/00009 SG

2- B

3- 00044

4- CS Construction & Geotechnic Pte. Ltd [SG]

5- CHONG, Kwong Hsen, Kevin [SG]; LOH, Boon Chong [SG]; LIM, Yong Keng Danny [SG] and WAN, Bao Yuan [SG]

6- Kimly IP Service

7- KH/P/2019/00009 SG

8- Receiving Date: 30/07/2019

SG Filing Date: 05/08/2016 SG Registration Number: 11201707987W

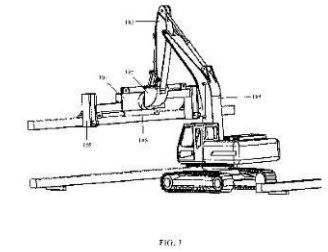
9-

10- 12 February, 2020

11- System and Method for Securing, Moving and Placing a Pile or Heavy Elongated Object

12- The present invention provides an improved system and method to transfer heavy, elongated objects safely and efficiently. It includes a system for gripping, moving, rotating and placing an elongated object, such as a reinforced concrete (RC) pile. The system includes a chassis, a hydraulic geared motor driven gearbox and a connecting member. The chassis includes a pair of gripping members, each composed of a load backrest, an upper clamping jaw and one or more lower fork tines. The distance between the gripping members can be adjusted to account for objects of various lengths. The hydraulic geared motor driven gearbox can rotate the chassis and elongated object from horizontal to vertical. The invention is particularly useful in gripping and moving a pile to a desired location, then rotating it into a vertical orientation and placing it into the ground.

13-



14- B66C 1/42

(19)- KH/P/2019/00090 SG

(12)- B

(13)- 00065

(71)- Jumio Corporation [US]

(72)- DERAKHSHANI, Reza R. [US]

(74)- Kimly IP Service

(11)- KH/P/2019/00090 SG

(18)- Receiving Date: 21/08/2019

SG Filing Date: 30/03/2015 SG Registration Number: 19201906085078U

(31)- 61/976,219 07/04/2014 US

(10)- ថ្ងៃទី12 ខែកុម្ភៈ ឆ្នាំ2020

(54)- BIO LEASH FOR USER AUTHENTICATION

(57)- Systems and methods for electronically leashing a user to a mobile device. A user is authenticated on the mobile device and initial sensor data (e.g., radio signal readings, accelerometer readings, image/video, audio) is collected. Based on a timer or other triggering event, additional sensor data is captured and evaluated. Based on the evaluation of the sensor data, a value representing a likelihood of whether the device remains in possession of the user is determined. Upon determining that this value is less than a threshold, the user is required to reauthenticate on the mobile device to further engage with the device or particular features on the device.

๑๓-

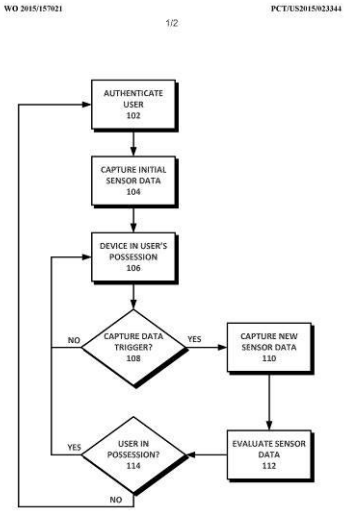


FIG. 1

๑๔- H04W 12/12

1- KH/P/2019/00010 SG

2- B

3- 00045

4- Jumio Corporation [US]

5- DERAKHSHANI, Reza R. [US]

6- Kimly IP Service

7- KH/P/2019/00010 SG

8- Receiving Date: 21/08/2019

SG Filing Date: 30/03/2015 SG Registration Number: 11201608407U

9- 61/976,219 07/04/2014 US

10- 12 February, 2020

11- BIO LEASH FOR USER AUTHENTICATION

12- Systems and methods for electronically leashing a user to a mobile device. A user is authenticated on the mobile device and initial sensor data (e.g., radio signal readings, accelerometer readings, image/video, audio) is collected. Based on a timer or other triggering event, additional sensor data is captured and evaluated. Based on the evaluation of the sensor data, a value representing a likelihood of whether the device remains in possession of the user is determined. Upon determining that this value is less than a threshold, the user is required to reauthenticate on the mobile device to further engage with the device or particular features on the device.

13-

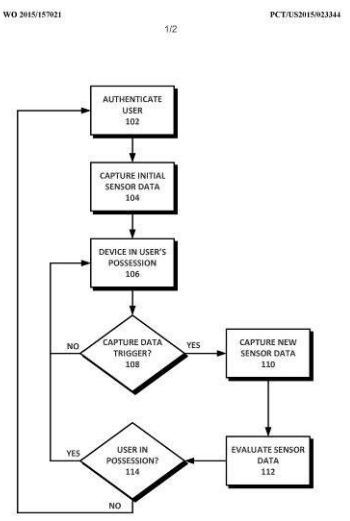


FIG. 1

14- H04W 12/12

(11)- KH/P/2019/00099 SG

(12)- B

(13)- 0006

(14)- Jumio Corporation [US]

(15)- DERAKHSHANI, Reza R. [US] and TEPLY, Joel [US]

(16)- Kimly IP Service

(17)- KH/P/2019/00099 SG

(18)- Receiving Date: 21/08/2019

SG Filing Date: 31/05/2019 SG Registration Number: 11201907057X

(19)- 62/180,481 16/06/2015 US

(10)- ថ្ងៃទី12 ខែកុម្ភៈ ឆ្នាំ2020

(11)- SYSTEMS AND METHODS FOR SPOOF DETECTION AND LIVENESS ANALYSIS

(12)- Spoof-detection and liveness analysis is performed using a software-based solution on a user device, such as a smartphone having a camera, audio output component (e.g., earpiece), and audio input component (e.g., microphone). One or more audio signals are emitted from the audio output component of the user device, reflect off a target, and are received back at the audio input component of the device. Based on the reflections, a determination is made as to whether the target is comprised of a three-dimensional face-like structure and/or face-like tissue. Using at least this determination, a finding is made as to whether the target is likely to be spoofed, rather than a legitimate, live person.

១៣- WO 2016/204968 1/6 PCT/US2016/035007

FIG. 1A

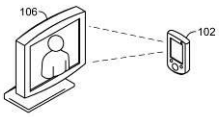


FIG. 1B

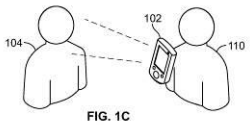


FIG. 1C

SUBSTITUTE SHEET (RULE 26)

១៥- G06K 9/00

1- KH/P/2019/00011 SG

2- B

3- 00046

4- Jumio Corporation [US]

5- DERAKHSHANI, Reza R. [US] and TEPLY, Joel [US]

6- Kimly IP Service

7- KH/P/2019/00011 SG

8- Receiving Date: 21/08/2019

SG Filing Date: 31/05/2015 SG Registration Number: 11201710474X

9- 62/180,481 16/06/2015 US

10- 12 February, 2020

11- SYSTEMS AND METHODS FOR SPOOF DETECTION AND LIVENESS ANALYSIS

12- Spoof-detection and liveness analysis is performed using a software-based solution on a user device, such as a smartphone having a camera, audio output component (e.g., earpiece), and audio input component (e.g., microphone). One or more audio signals are emitted from the audio output component of the user device, reflect off a target, and are received back at the audio input component of the device. Based on the reflections, a determination is made as to whether the target is comprised of a three-dimensional face-like structure and/or face-like tissue. Using at least this determination, a finding is made as to whether the target is likely to be spoofed, rather than a legitimate, live person.

13-

FIG. 1A

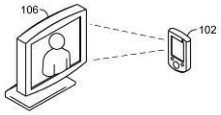


FIG. 1B

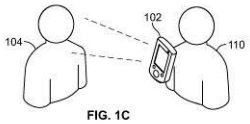


FIG. 1C

14- G06K 9/00

១- KH/P/២០១៩/០០០១២ SG

២- ខ

៣- ០០០៤៧

៤- SOLARLYTICS, INC. [US]

៥- MCNAMARA, Robert P. [US] and RAYMOND, Douglas M. [US]

៦- Kimly IP Service

៧- KH/P/២០១៩/០០០១២ SG

៨- Receiving Date: ០៥/០៩/២០១៩

SG Filing Date: ២១/០២/២០១៥ SG Registration Number: ១០២០១៧០៦២០៤W

៩- 61/943,127 21/02/2014 US; 61/943,134 21/02/2014 US; 61/947,326 03/03/2014 US and 62/022,087 08/07/2014 US

១០- ថ្ងៃទី១២ ខែកុម្ភៈ ឆ្នាំ២០២០

១១- SYSTEM AND METHOD FOR MANAGING THE POWER OUTPUT OF A PHOTOVOLTAIC CELL

១២- A solar cell management system for increasing the efficiency and power output of a solar cell and methods for making and using the same. The management system provides an electric field across an individual solar cell, an array of solar cells configured as a panel, or a group of solar panels. The imposed electric field exerts a force on both the electrons and holes created by light incident on the solar cell and accelerates the electron-hole pairs towards the electrodes of the solar cell. Compared to conventional solar cells, these accelerated electron-hole pairs travel a shorter distance from creation (by incident optical radiation) and spend less time within the solar cell material, therefore the electron-hole pairs have a lower likelihood of recombining within the cells′ semiconductor′s material. This reduction in the electron-hole recombination rate results in an overall increase in the solar cells′ efficiency and greater power output.

Fig. 4

(៣)-

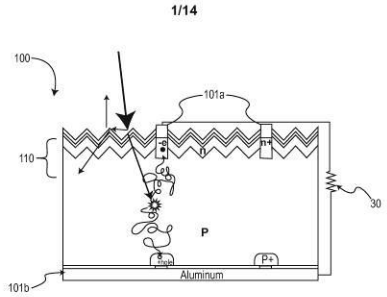


FIG. 1

(៥)- H01L 31/02, H02J 3/38, H02J 7/35, H02S 40/32

1- KH/P/2019/00012 SG

2- B

3- 00047

4- SOLARLYTICS, INC. [US]

5- MCNAMARA, Robert P. [US] and RAYMOND, Douglas M. [US]

6- Kimly IP Service

7- KH/P/2019/00012 SG

8- Receiving Date: 05/09/2019

SG Filing Date: 21/02/2015 SG Registration Number: 10201706204W

9- 61/943,127 21/02/2014 US; 61/943,134 21/02/2014 US; 61/947,326 03/03/2014 US and 62/022,087 08/07/2014 US

10- 12 February, 2020

11- SYSTEM AND METHOD FOR MANAGING THE POWER OUTPUT OF A PHOTOVOLTAIC CELL

12- A solar cell management system for increasing the efficiency and power output of a solar cell and methods for making and using the same. The management system provides an electric field across an individual solar cell, an array of solar cells configured as a panel, or a group of solar panels. The imposed electric field exerts a force on both the electrons and holes created by light incident on the solar cell and accelerates the electron-hole pairs towards the electrodes of the solar cell. Compared to conventional solar cells, these accelerated electron-hole pairs travel a shorter distance from creation (by incident optical radiation) and spend less time within the solar cell material, therefore the electron-hole pairs have a lower likelihood of recombining within the cells´ semiconductor´s material. This reduction in the electron-hole recombination rate results in an overall increase in the solar cells´ efficiency and greater power output.

Fig. 4

13-

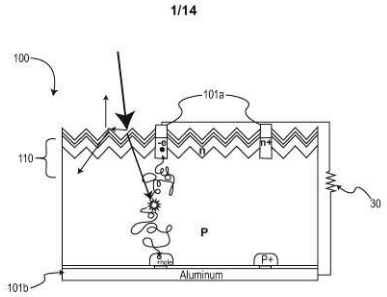


FIG. 1

14- H01L 31/02, H02J 3/38, H02J 7/35, H02S 40/32

១- KH/P/២០១៩/០០០១៣ SG

២- ខ

៣- ០០០៨៨

៤- SOLARLYTICS, INC. [US]

៥- MCNAMARA, Robert P. [US] and RAYMOND, Douglas M. [US]

៦- Kimly IP Service

៧- KH/P/២០១៩/០០០១៣ SG

៨- Receiving Date: ១៦/០៩/២០១៩

SG Filing Date: ០៣/០៣/២០១៥ SG Registration Number: ១១២០១៦០៧០៨៧S

៩- 14/628,079 20/02/2015 US; 61/947,326 03/03/2014 US and 62/022,087 08/07/2014 US

១០- ថ្ងៃទី១២ ខែកុម្ភៈ ឆ្នាំ២០២០

១១- METHOD AND SYSTEM FOR APPLYING ELECTRIC FIELDS TO MULTIPLE SOLAR PANELS

១២- A solar cell management system for increasing the efficiency and power output of a solar cell and methods for making and using the same. The management system provides an electric field across one or more solar cells. The imposed electric field exerts a force on both the electrons and holes created by light incident on the solar cell and accelerates the electron-hole pairs towards the electrodes of the solar cell. The solar cell management system considers variations in configuration of solar cells to maximize the power output of the solar cells. The accelerated electron-hole pairs have a lower likelihood of recombining within the cells' semiconductor's material. This reduction in the electron-hole recombination rate results in an overall increase in the solar cells' efficiency and greater power output.

(៣)-

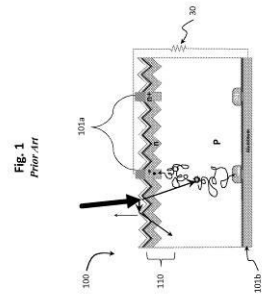


Fig. 1
Prior Art

(៥)- H02S 40/32

1- KH/P/2019/00013 SG

2- B

3- 00048

4- SOLARLYTICS, INC. [US]

5- MCNAMARA, Robert P. [US] and RAYMOND, Douglas M. [US]

6- Kimly IP Service

7- KH/P/2019/00013 SG

8- Receiving Date: 16/09/2019

SG Filing Date: 03/03/2015 SG Registration Number: 11201607087S

9- 14/628,079 20/02/2015 US; 61/947,326 03/03/2014 US and 62/022,087 08/07/2014 US

10- 12 February, 2020

11- METHOD AND SYSTEM FOR APPLYING ELECTRIC FIELDS TO MULTIPLE SOLAR PANELS

12- A solar cell management system for increasing the efficiency and power output of a solar cell and methods for making and using the same. The management system provides an electric field across one or more solar cells. The imposed electric field exerts a force on both the electrons and holes created by light incident on the solar cell and accelerates the electron-hole pairs towards the electrodes of the solar cell. The solar cell management system considers variations in configuration of solar cells to maximize the power output of the solar cells. The accelerated electron-hole pairs have a lower likelihood of recombining within the cells' semiconductor's material. This reduction in the electron-hole recombination rate results in an overall increase in the solar cells' efficiency and greater power output.

13-

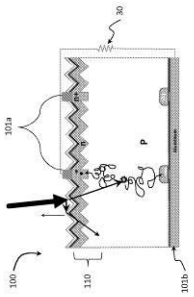


Fig. 1
Prior Art

14- H02S 40/32

(១)- KH/P/២០១៩/០០០១៥ SG

(២)- ខ

(៣)- ០០០៥០

(៤)- SMARTFLEX TECHNOLOGY PTE LTD [SG] and NG, ENG SENG [SG]

(៥)- NG, ENG SENG [SG] and PANG, Sze Yong [SG]

(៦)- Rouse & Co (Cambodia) Co., Ltd

(៧)- KH/P/២០១៩/០០០១៥ SG

(៨)- Receiving Date: ២៩/១១/២០១៩

SG Filing Date: ២២/១១/២០១៦ SG Registration Number: ១១២០១៨០៩៩០៨U

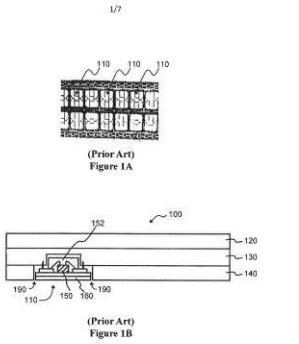
(៩)- 62/263,105 04/12/2015 US

(១០)- ថ្ងៃទី១៧ ខែមីនា ឆ្នាំ២០២០

(១១)- METHOD FOR EMBEDDING INTEGRATED CIRCUIT FLIP CHIP

(១២)- Embodiments of the invention relate to processes for fabricating a smart device (200), e.g. smart card, and configurations for smart card devices with greater reliability and lifespan, and improved finish. In the smart card device comprising of laminated substrate layers (220, 240) interposing a flexible film (230) having conductor pattern thereon, at least one flip chip (250) for operating the smart card device is embedded in a first substrate (220) such that the first substrate provides an encapsulation to the at least one flip chip, wherein the at least one flip chip (250) is arranged at a position in a first vertical plane; and a contact pad (260), for providing electrical connection when the smart card device is inserted into a smart card reader, is arranged at a position in a second vertical plane, wherein the first vertical plane is non-overlapping with the second vertical plane. The contact pad (260) is projected through a cavity in a second substrate to form a continuous even plane from an outer surface of the laminated substrate layers to the contact pad (260).

១៣-



១៥- G06K 19/077

1- KH/P/2019/00014 SG

2- B

3- 00050

4- SMARTFLEX TECHNOLOGY PTE LTD [SG] and NG, ENG SENG [SG]

5- NG, ENG SENG [SG] and PANG, Sze Yong [SG]

6- Rouse & Co (Cambodia) Co., Ltd

7- KH/P/2019/00014 SG

8- Receiving Date: 29/11/2019

SG Filing Date: 22/11/2016 SG Registration Number: 11201801908U

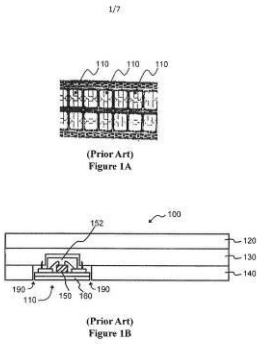
9- 62/263,105 04/12/2015 US

10- 17 March, 2020

11- METHOD FOR EMBEDDING INTEGRATED CIRCUIT FLIP CHIP

12- Embodiments of the invention relate to processes for fabricating a smart device (200), e.g. smart card, and configurations for smart card devices with greater reliability and lifespan, and improved finish. In the smart card device comprising of laminated substrate layers (220, 240) interposing a flexible film (230) having conductor pattern thereon, at least one flip chip (250) for operating the smart card device is embedded in a first substrate (220) such that the first substrate provides an encapsulation to the at least one flip chip, wherein the at least one flip chip (250) is arranged at a position in a first vertical plane; and a contact pad (260), for providing electrical connection when the smart card device is inserted into a smart card reader, is arranged at a position in a second vertical plane, wherein the first vertical plane is non-overlapping with the second vertical plane. The contact pad (260) is projected through a cavity in a second substrate to form a continuous even plane from an outer surface of the laminated substrate layers to the contact pad (260).

13-



14- G06K 19/077

(11)- KH/P/2019/00015 SG

(12)- B

(13)- 00051

(14)- Advanced New Technologies Co,.Ltd. [KY]

(15)- Li, Ruoyu [CN]

(16)- Kimly IP Service

(17)- KH/P/2019/00015 SG

(18)- Receiving Date: 05/12/2019

SG Filing Date: 28/05/2019 SG Registration Number: 102019050825X

(19)-

(10)- ថ្ងៃទី10 ខែមេសា ឆ្នាំ2020

(11)- AUTOMATIC OPTICAL CHARACTER RECOGNITION (OCR) CORRECTION

(12)- An Optical Character Recognition (OCR) system, including: an acquisition device configured to obtain a digital image of a physical document; an image conversion device configured to convert the digital image of the physical document into corresponding machine-readable text; a correction device configured to: evaluate the machine-readable text using a trained Long short-term memory (LSTM) neural network language model to determine whether correction to the machine-readable text is required; if correction to the machine-readable text is required, determine a most similar text relative to the machine-readable text from a name and address corpus using a modified edit distance technique; and correct the machine-readable text with the determined most similar text; and an output device configured to output the corrected machine-readable text.

Figure 2

(13)-

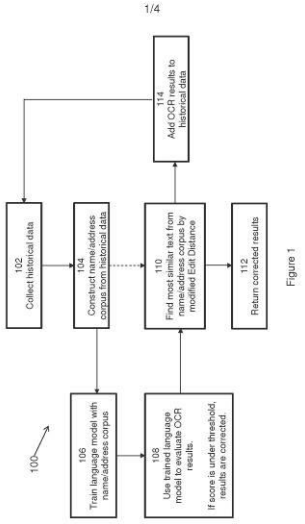


Figure 1

(15)- G06N 20/00, G06N 3/02

1- KH/P/2019/00015 SG

2- B

3- 00051

4- Advanced New Technologies Co,.Ltd. [KY]

5- Li, Ruoyu [CN]

6- Kimly IP Service

7- KH/P/2019/00015 SG

8- Receiving Date: 05/12/2019

SG Filing Date: 28/05/2019 SG Registration Number: 10201904825X

9-

10- 10 April, 2020

11- AUTOMATIC OPTICAL CHARACTER RECOGNITION (OCR) CORRECTION

12- An Optical Character Recognition (OCR) system, including: an acquisition device configured to obtain a digital image of a physical document; an image conversion device configured to convert the digital image of the physical document into corresponding machine-readable text; a correction device configured to: evaluate the machine-readable text using a trained Long short-term memory (LSTM) neural network language model to determine whether correction to the machine-readable text is required; if correction to the machine-readable text is required, determine a most similar text relative to the machine-readable text from a name and address corpus using a modified edit distance technique; and correct the machine-readable text with the determined most similar text; and an output device configured to output the corrected machine-readable text.

Figure 2

13-

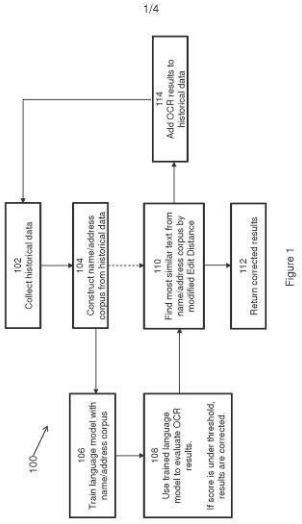


Figure 1

14- G06N 20/00, G06N 3/02

(19) KH/P/២០១៩/០០០១៦ SG

(12) ខ

(13) ០០០៥២

(71) Advanced New Technologies Co,.Ltd. [KY]

(72) LI, Jianshu [CN]

(74) Kimly IP Service

(11) KH/P/២០១៩/០០០១៦ SG

(22) Receiving Date: ០៥/១២/២០១៩

SG Filing Date: ២១/០៥/២០១៩ SG Registration Number: ១០២០១៩០៥៥៩Q

(30)

(31) ថ្ងៃទី១០ ខែមេសា ឆ្នាំ២០២០

(54) SYSTEM AND METHOD FOR TRAINING NEURAL NETWORKS

(57) A method comprising: training a pre-trained neural network that comprises: an input layer; a plurality of hidden layers, wherein each of the plurality of hidden layers has one or more nodes, wherein each of said one or more nodes has an associated weight trained based on data from a source domain; and an output layer. Training the pretrained neural network comprises: introducing at least one additional layer to the plurality of hidden layers, wherein said additional layer has one or more nodes having associated weights; keeping weights of the nodes in the plurality of hidden layers of the pre-trained neural network unchanged; inputting data from a target domain to the input layer; and adjusting weights of the one or more nodes in the at least one additional layer based on features obtained at the output layer.

Figure 4

(៥៣)-

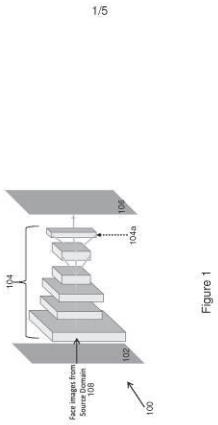


Figure 1

(៥៤)- G06N 3/08

1- KH/P/2019/00016 SG

2- B

3- 00052

4- Advanced New Technologies Co,.Ltd. [KY]

5- LI, Jianshu [CN]

6- Kimly IP Service

7- KH/P/2019/00016 SG

8- Receiving Date: 05/12/2019

SG Filing Date: 21/05/2019 SG Registration Number: 10201904549Q

9-

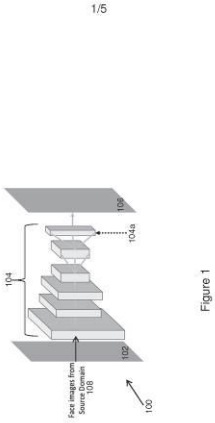
10- 10 April, 2020

11- SYSTEM AND METHOD FOR TRAINING NEURAL NETWORKS

12- A method comprising: training a pre-trained neural network that comprises: an input layer; a plurality of hidden layers, wherein each of the plurality of hidden layers has one or more nodes, wherein each of said one or more nodes has an associated weight trained based on data from a source domain; and an output layer. Training the pretrained neural network comprises: introducing at least one additional layer to the plurality of hidden layers, wherein said additional layer has one or more nodes having associated weights; keeping weights of the nodes in the plurality of hidden layers of the pre-trained neural network unchanged; inputting data from a target domain to the input layer; and adjusting weights of the one or more nodes in the at least one additional layer based on features obtained at the output layer.

Figure 4

13-



14- G06N 3/08

(19)- KH/P/2019/00019 SG

(12)- B

(13)- 00053

(54)- Advanced New Technologies Co,.Ltd. [KY]

(75)- Li, Ruoyu [CN]

(74)- Kimly IP Service

(11)- KH/P/2019/00019 SG

(18)- Receiving Date: 05/12/2019

SG Filing Date: 29/05/2019 SG Registration Number: 9020190605551T

(8)-

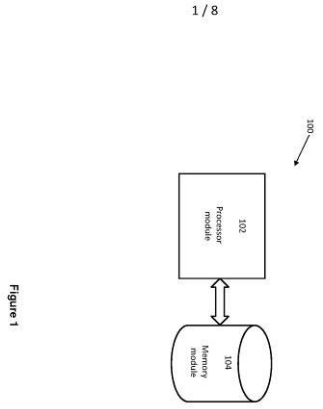
(10)- ថ្ងៃទី២៥ ខែមិថុនា ឆ្នាំ២០២០

(11)- METHOD AND DEVICE FOR QUANTIFYING TEXT SIMILARITY

(12)- The present disclosure provides methods and devices for quantifying text similarity. In an embodiment, there is provided a device for quantifying text similarity that comprises: a processor; and a memory including computer program code. The memory and the computer program code configured to, with the processor, cause the device to: obtain a plurality of shortest operation paths for correcting an optical correction recognition (OCR) text string with an edit text string, wherein each of the plurality of shortest operation paths includes one or more edit pairs, each of the one or more edit pairs denoting an operation performable to a character of the OCR text string during correction by the edit text string; determine a plurality of similarity scores, each of the plurality of similarity scores corresponding to one of the plurality of shortest operation paths, wherein each of the plurality of similarity scores is determined by summing historical similarity scores of the one or more edit pairs of each of the plurality of shortest operation paths; and select a minimum one of the plurality of similarity scores to quantify text similarity between the OCR text string and the edit text string.

(Figure 2)

(13)-



(15)- G06F 17/27, G06K 9/62

1- KH/P/2019/00017 SG

2- B

3- 00053

4- Advanced New Technologies Co,.Ltd. [KY]

5- Li, Ruoyu [CN]

6- Kimly IP Service

7- KH/P/2019/00017 SG

8- Receiving Date: 05/12/2019

SG Filing Date: 21/05/2019 SG Registration Number: 10201904554T

9-

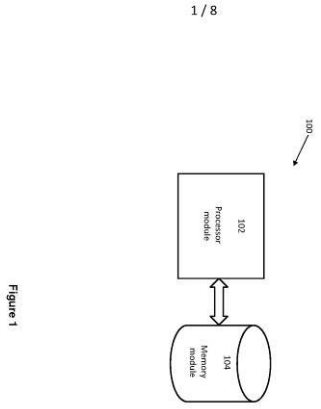
10- 25 June, 2020

11- METHOD AND DEVICE FOR QUANTIFYING TEXT SIMILARITY

12- The present disclosure provides methods and devices for quantifying text similarity. In an embodiment, there is provided a device for quantifying text similarity that comprises: a processor; and a memory including computer program code. The memory and the computer program code configured to, with the processor, cause the device to: obtain a plurality of shortest operation paths for correcting an optical correction recognition (OCR) text string with an edit text string, wherein each of the plurality of shortest operation paths includes one or more edit pairs, each of the one or more edit pairs denoting an operation performable to a character of the OCR text string during correction by the edit text string; determine a plurality of similarity scores, each of the plurality of similarity scores corresponding to one of the plurality of shortest operation paths, wherein each of the plurality of similarity scores is determined by summing historical similarity scores of the one or more edit pairs of each of the plurality of shortest operation paths; and select a minimum one of the plurality of similarity scores to quantify text similarity between the OCR text string and the edit text string.

(Figure 2)

13-



14- G06F 17/27, G06K 9/62

១- KH/P/២០១៩/០០០១៨ SG

២- ខ

៣- ០០០៦២

៤- AME2 PTE LTD [SG]

៥- LEOW, Ban Tat [SG]

៦- Kimly IP Service

៧- KH/P/២០១៩/០០០១៨ SG

៨- Receiving Date: ០៥/១២/២០១៩

SG Filing Date: ០២/១០/២០១៧ SG Registration Number: ១១២០១៨១០៤៧៨Q

៩- 10201608768V 19/10/2016 SG

១០- ថ្ងៃទី១៣ ខែកញ្ញា ឆ្នាំ២០២១

១១- SYSTEM AND METHOD FOR OFF-SHORE & IN-SHORE AQUACULTURE USING FLOATING CLOSED CONTAINMENT FARMING AND AMALGAMATED FACILITY

១២- An aquaculture production and/or transfer system is provided and comprises: at least one floating aquaculture production apparatus on a novel offshore advanced hull system of varying shapes for closed containment method and ecological friendly for sustainable floating farming system (which may be marketed under Eco-Ark™); a station keeping apparatus coupled to the aquaculture production apparatus; a custodian transfer apparatus having a custodian chamber, a chute and a pump, wherein the custodian chamber is fluidly coupled to at least one of the tanks to receive live aquatic animals therefrom, wherein the chute is configured to transfer live aquatic animals to an amalgamated facility.

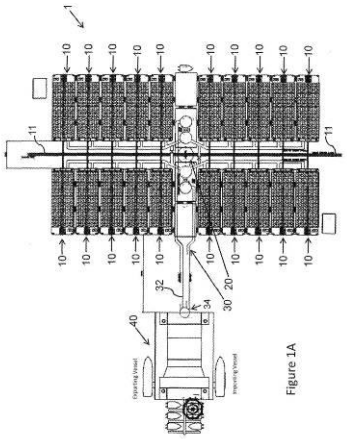


Figure 1A

(51)- A01K 61/60

1- KH/P/2019/00018 SG

2- B

3- 00062

4- AME2 PTE LTD [SG]

5- LEOW, Ban Tat [SG]

6- Kimly IP Service

7- KH/P/2019/00018 SG

8- Receiving Date: 05/12/2019

SG Filing Date: 02/10/2017 SG Registration Number: 11201810478Q

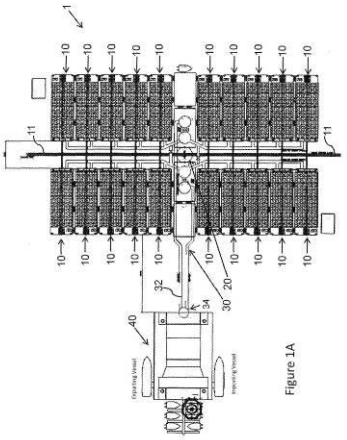
9- 10201608768V 19/10/2016 SG

10- 13 September, 2021

11- SYSTEM AND METHOD FOR OFF-SHORE & IN-SHORE AQUACULTURE USING FLOATING CLOSED CONTAINMENT FARMING AND AMALGAMATED FACILITY

12- An aquaculture production and/or transfer system is provided and comprises: at least one floating aquaculture production apparatus on a novel offshore advanced hull system of varying shapes for closed containment method and ecological friendly for sustainable floating farming system (which may be marketed under Eco-Ark™); a station keeping apparatus coupled to the aquaculture production apparatus; a custodian transfer apparatus having a custodian chamber, a chute and a pump, wherein the custodian chamber is fluidly coupled to at least one of the tanks to receive live aquatic animals therefrom, wherein the chute is configured to transfer live aquatic animals to an amalgamated facility.

13-



14- A01K 61/60

(19)- KH/P/២០១៩/០០០១៩ SG

(12)- ខ

(13)- ០០០៥៤

(71)- Advanced New Technologies Co,.Ltd. [KY]

(72)- HUANG, Jiangbo [CN]

(74)- Kimly IP Service

(11)- KH/P/២០១៩/០០០១៩ SG

(22)- Receiving Date: ២៣/១២/២០១៩

SG Filing Date: ១០/០៦/២០១៩ SG Registration Number: ១០២០១៩០៥២៧៣V

(30)-

(45)- ថ្ងៃទី២៥ ខែមិថុនា ឆ្នាំ២០២០

(54)- METHOD AND SYSTEM FOR EVALUATING AN OBJECT DETECTION MODEL

(57)- A method for evaluating performance of an object detection model includes generating a predicted bounding box representing an object based on the object detection model. The object is positioned proximate to one or more adjacent objects. The method also includes determining an area of intersection between the predicted bounding box and a groundtruth bounding box of the object, and determining a modified area of union between the predicted bounding box and the groundtruth bounding box of the object. Determining the modified area of union includes determining a weighted area of union between the predicted and groundtruth bounding boxes based on one or more weights, and adding to the weighted area of union an area of intersection between the predicted bounding box and at least one groundtruth bounding box of the one or more adjacent objects. The method further includes determining a score equal to the area of intersection between the predicted bounding box and the groundtruth bounding box of the object divided by the modified area of union. The score represents the performance of the object detection model.

FIG. 1

(៣)-

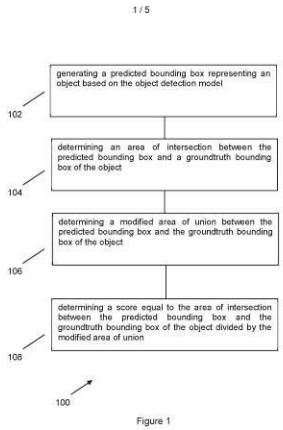


Figure 1

(៥)- G06K 9/00, G06N 3/02

1- KH/P/2019/00019 SG

2- B

3- 00054

4- Advanced New Technologies Co,.Ltd. [KY]

5- HUANG, Jiangbo [CN]

6- Kimly IP Service

7- KH/P/2019/00019 SG

8- Receiving Date: 23/12/2019

SG Filing Date: 10/06/2019 SG Registration Number: 10201905273V

9-

10- 25 June, 2020

11- METHOD AND SYSTEM FOR EVALUATING AN OBJECT DETECTION MODEL

12- A method for evaluating performance of an object detection model includes generating a predicted bounding box representing an object based on the object detection model. The object is positioned proximate to one or more adjacent objects. The method also includes determining an area of intersection between the predicted bounding box and a groundtruth bounding box of the object, and determining a modified area of union between the predicted bounding box and the groundtruth bounding box of the object. Determining the modified area of union includes determining a weighted area of union between the predicted and groundtruth bounding boxes based on one or more weights, and adding to the weighted area of union an area of intersection between the predicted bounding box and at least one groundtruth bounding box of the one or more adjacent objects. The method further includes determining a score equal to the area of intersection between the predicted bounding box and the groundtruth bounding box of the object divided by the modified area of union. The score represents the performance of the object detection model.

FIG. 1

13-

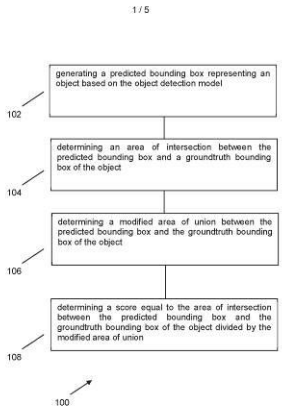


Figure 1

14- G06K 9/00, G06N 3/02

(19) KH/P/2020/00009 SG

(20) 2

(30) 00055

(71) TH3X CONSTRUCTION CONSULTANCY PTE. LTD [SG]

(72) NG, SHYANG LONG ERIC [MY]

(74) Kimly IP Service

(11) KH/P/2020/00009 SG

(18) Receiving Date: 19/03/2020

SG Filing Date: 25/08/2017 SG Registration Number: 201709669 0X

(8)

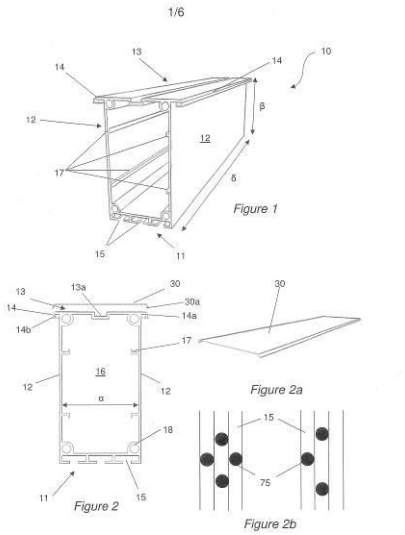
(10) ថ្ងៃទី៣ ខែសីហា ឆ្នាំ២០២០

(11) MOUNTING STRUCTURE

(12) The present invention relates to a mounting structure comprising a structural member having a first surface adapted to engage a support and at least one first flange extending outwardly from a second surface, wherein the first surface is distal from the first flange; and at least one securing member comprising at least one second flange extending outwardly from a surface of the securing member, wherein the securing member is operable to juxtapose with the structural member via the first surface, and engage with the structural member to secure a side of a panel between the first flange and the second flange. The present invention also relates to a mounting structure assembly and method of assembling the same.

Figure 7

(13)



(15) E04D 13/18, F24S 25/00, H02S 20/00

(1) KH/P/2020/00001 SG

2- B

3- 00055

4- TH3X CONSTRUCTION CONSULTANCY PTE. LTD [SG]

5- NG, SHYANG LONG ERIC [MY]

6- Kimly IP Service

7- KH/P/2020/00001 SG

8- Receiving Date: 19/03/2020

SG Filing Date: 25/08/2017 SG Registration Number: 10201706990X

9-

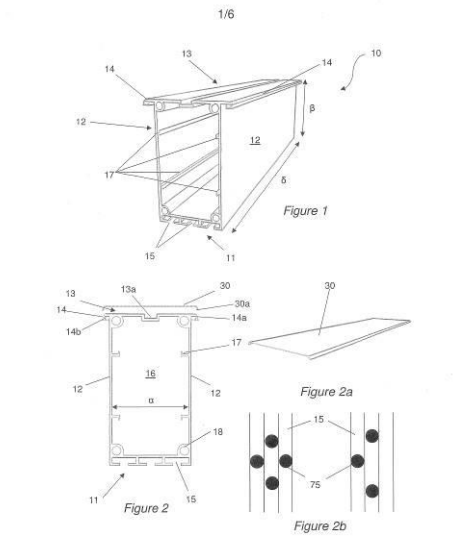
10- 3 August, 2020

11- MOUNTING STRUCTURE

12- The present invention relates to a mounting structure comprising a structural member having a first surface adapted to engage a support and at least one first flange extending outwardly from a second surface, wherein the first surface is distal from the first flange; and at least one securing member comprising at least one second flange extending outwardly from a surface of the securing member, wherein the securing member is operable to juxtapose with the structural member via the first surface, and engage with the structural member to secure a side of a panel between the first flange and the second flange. The present invention also relates to a mounting structure assembly and method of assembling the same.

Figure 7

13-



14- E04D 13/18, F24S 25/00, H02S 20/00

(១)- KH/P/២០២០/០០០០២ SG

(២)- ខ

(៣)- ០០០៥៧

(៤)- QUINTESSENSIA LLC [JP]

(៥)- MIYAKE, Masato [JP]; LIPOWSKI, Gerard [JP] and KAGIYAMA, Naoto [JP]

(៦)- TILLEKE & GIBBINS (CAMBODIA) LTD.,

(៧)- KH/P/២០២០/០០០០២ SG

(៨)- Receiving Date: ៣០/០៦/២០២០

SG Filing Date: ១៣/០៦/២០១៦ SG Registration Number: ១១២០១៨០៩៥៨០X

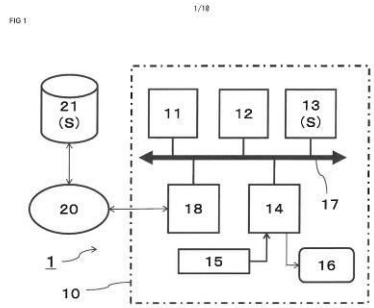
(៩)- 2016-092035 28/04/2016 JP

(១០)- ថ្ងៃទី៩ ខែតុលា ឆ្នាំ២០២០

(១១)- HEALTH STATE EVALUATION SYSTEM, HEALTH STATE EVALUATION DEVICE, AND HEALTH STATE EVALUATION METHOD

(១២)- The purpose of the present invention is to provide a health state evaluation system with which it is possible for a layperson to know a ranking thereof for improvement of a health state thereof. Provided is a health state evaluation system which, by way of a principal component analysis wherein medical checkup values Dx, which are principally blood values, are treated as explanatory variables, derives three principal component variables with top three largest variances: an exercise habit variable C1, an energy ingestion habit variable C2, and a nutrition balance habit variable C3. The health state evaluation system comprises: a data input unit which receives input of the medical checkup values Dx; a computation unit which calculates the habit variables C1-3 from coefficients which are derived from the principal component analysis and formulae; and a result display unit which displays the ranking of a subject among data of a large number of people, which has been previously derived by the computation unit. The habit variables C1-3 include elements of three groups. By deriving the ranking of a subject among data of a large number of people by way of the three principal component variables C1-3, the health state of the subject is evaluated.

(13)-



(15)- G06Q 50/22

1- KH/P/2020/00002 SG

2- B

3- 00057

4- QUINTESSENSIA LLC [JP]

5- MIYAKE, Masato [JP]; LIPOWSKI, Gerard [JP] and KAGIYAMA, Naoto [JP]

6- TILLEKE & GIBBINS (CAMBODIA) LTD.,

7- KH/P/2020/00002 SG

8- Receiving Date: 30/06/2020

SG Filing Date: 13/06/2016 SG Registration Number: 11201809480X

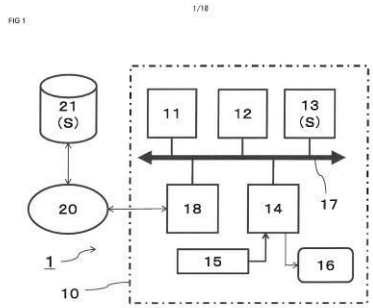
9- 2016-092035 28/04/2016 JP

10- 9 October, 2020

11- HEALTH STATE EVALUATION SYSTEM, HEALTH STATE EVALUATION DEVICE, AND HEALTH STATE EVALUATION METHOD

12- The purpose of the present invention is to provide a health state evaluation system with which it is possible for a layperson to know a ranking thereof for improvement of a health state thereof. Provided is a health state evaluation system which, by way of a principal component analysis wherein medical checkup values Dx, which are principally blood values, are treated as explanatory variables, derives three principal component variables with top three largest variances: an exercise habit variable C1, an energy ingestion habit variable C2, and a nutrition balance habit variable C3. The health state evaluation system comprises: a data input unit which receives input of the medical checkup values Dx; a computation unit which calculates the habit variables C1-3 from coefficients which are derived from the principal component analysis and formulae; and a result display unit which displays the ranking of a subject among data of a large number of people, which has been previously derived by the computation unit. The habit variables C1-3 include elements of three groups. By deriving the ranking of a subject among data of a large number of people by way of the three principal component variables C1-3, the health state of the subject is evaluated.

13-



14- G06Q 50/22

(19)- KH/P/2020/00004 SG

(12)- B

(13)- 00060

(54)- DOLBY INTERNATIONAL AB [NL]

(75)- KORDON, Sven [DE] and KRUEGER, Alexander [DE]

(73)- B.N.G. Co. Ltd.

(11)- KH/P/2020/00004 SG

(24)- Receiving Date: 27/08/2020

SG Filing Date: 07/10/2016 SG Registration Number: 19201806537X

(30)- 15306590.9 08/10/2015 EP and 62/361,809 13/07/2016 US

(45)- ថ្ងៃទី18 ខែសីហា ឆ្នាំ2021

(54)- Layered Coding for Compressed Sound or Sound Field Representations

(57)- The present document relates to a method of layered encoding of a compressed sound representation of a sound or sound field. The compressed sound representation comprises a basic compressed sound representation comprising a plurality of components, basic side information for decoding the basic compressed sound representation to a basic reconstructed sound representation of the sound or sound field, and enhancement side information including parameters for improving the basic reconstructed sound representation. The method comprises sub-dividing the plurality of components into a plurality of groups of components and assigning each of the plurality of groups to a respective one of a plurality of hierarchical layers, the number of groups corresponding to the number of layers, and the plurality of layers including a baselayer and one or more hierarchical enhancement layers, adding the basic side information to the base layer, and determining a plurality of portions of enhancement side information from the enhancement side information and assigning each of the plurality of portions of enhancement side information to a respective one of the plurality of layers, wherein each portion of enhancement side information includes parameters for improving a reconstructed sound representation obtainable from data included in the respective layer and any

layers lower than the respective layer. The document further relates to a method of decoding a compressed sound representation of a sound or sound field, wherein the compressed sound representation is encoded in a plurality of hierarchical layers that include a base layer and one or more hierarchical enhancement layers, as well as to an encoder and a decoder for layered coding of a compressed sound representation.

๑๓-

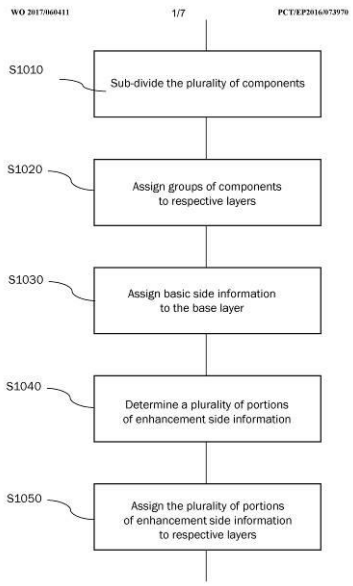


Fig. 1

๑๔- G10L 19/008, G10L 19/24

1- KH/P/2020/00004 SG

2- B

3- 00060

4- DOLBY INTERNATIONAL AB [NL]

5- KORDON, Sven [DE] and KRUEGER, Alexander [DE]

6- B.N.G. Co. Ltd.

7- KH/P/2020/00004 SG

8- Receiving Date: 27/08/2020

SG Filing Date: 07/10/2016 SG Registration Number: 11201802537X

9- 15306590.9 08/10/2015 EP and 62/361,809 13/07/2016 US

10- 18 August, 2021

11- Layered Coding for Compressed Sound or Sound Field Representations

12- The present document relates to a method of layered encoding of a compressed sound representation of a sound or sound field. The compressed sound representation comprises a basic compressed sound representation comprising a plurality of components, basic side information for decoding the basic compressed sound representation to a basic reconstructed sound representation of the sound or sound field, and enhancement side information including parameters for improving the basic reconstructed sound representation. The method comprises sub-dividing the plurality of components into a plurality of groups of components and assigning each of the plurality of groups to a respective one of a plurality of hierarchical layers, the number of groups corresponding to the number of layers, and the plurality of layers including a baselayer and one or more hierarchical enhancement layers, adding the basic side information to the base layer, and determining a plurality of portions of

enhancement side information from the enhancement side information and assigning each of the plurality of portions of enhancement side information to a respective one of the plurality of layers, wherein each portion of enhancement side information includes parameters for improving a reconstructed sound representation obtainable from data included in the respective layer and any layers lower than the respective layer. The document further relates to a method of decoding a compressed sound representation of a sound or sound field, wherein the compressed sound representation is encoded in a plurality of hierarchical layers that include a base layer and one or more hierarchical enhancement layers, as well as to an encoder and a decoder for layered coding of a compressed sound representation.

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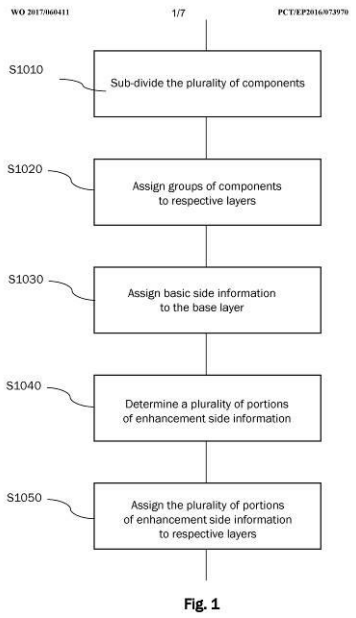


Fig. 1

14- G10L 19/008, G10L 19/24

(១)- KH/P/២០២០/០០០០៧ SG

(២)- ខ

(៣)- ០០០៦១

(៤)- GRABTAXI HOLDINGS PTE. LTD. [SG]

(៥)- LYE, Kong-Wei [SG]; CAO, Yang [SG]; DESAI, Swara [SG]; LIANG, Chen [SG]; MU, Xiaojia [SG]; SHEN, Yuliang [SG]; TAN, Sien Yi [SG]; TANG, Muchen [SG]; WENG, Renrong [SG] and ZHAO, Chang [SG]

(៦)- TILLEKE & GIBBINS (CAMBODIA) LTD.,

(៧)- KH/P/២០២០/០០០០៧ SG

(៨)- Receiving Date: ២៨/១០/២០២០

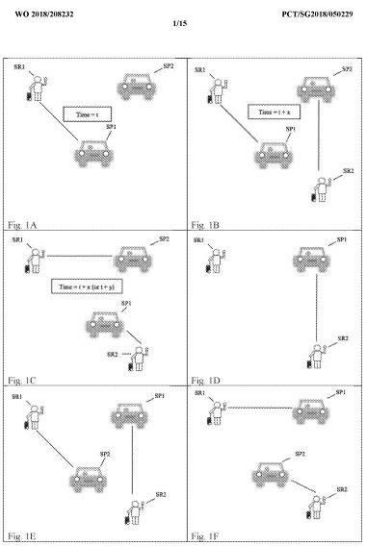
SG Filing Date: ១១/០៥/២០១៨ SG Registration Number: ១១២០១៩១០៤៧៤V

(៩)- PCT/SG2017/050252 12/05/2017 SG

(១០)- ថ្ងៃទី៣១ ខែសីហា ឆ្នាំ២០២១

(១១)- ALLOCATION OF DYNAMICALLY BATCHED SERVICE PROVIDERS AND SERVICE REQUESTERS

(១២)- A processor device has a CPU cooperating with an input device and an output device, under control of stored instructions, and is arranged to receive service requests at the input device, assign service requests received in successive time periods to respective batches of requests; access stored service provider data to identify available service providers from among a pool of service providers; after completing the assignment of service requests to a batch, perform a matching process to endeavour to match each service request of the batch of requests to a service provider; and for each service provider to whom a match is made, output a notification of the respective potential match from the output device.

(៣)- 

(៥)- G06Q 50/30

1- KH/P/2020/00007 SG

2- B

3- 00061

4- GRABTAXI HOLDINGS PTE. LTD. [SG]

5- LYE, Kong-Wei [SG]; CAO, Yang [SG]; DESAI, Swara [SG]; LIANG, Chen [SG]; MU, Xiaojia [SG]; SHEN, Yuliang [SG]; TAN, Sien Yi [SG]; TANG, Muchen [SG]; WENG, Renrong [SG] and ZHAO, Chang [SG]

6- TILLEKE & GIBBINS (CAMBODIA) LTD.,

7- KH/P/2020/00007 SG

8- Receiving Date: 28/10/2020
SG Filing Date: 11/05/2018 SG Registration Number: 11201910474V

9- PCT/SG2017/050252 12/05/2017 SG

10- 31 August, 2021

11- ALLOCATION OF DYNAMICALLY BATCHED SERVICE PROVIDERS AND SERVICE REQUESTERS

12- A processor device has a CPU cooperating with an input device and an output device, under control of stored instructions, and is arranged to receive service requests at the input device, assign service requests received in successive time periods to respective batches of requests; access stored service provider data to identify available service providers from among a pool of service providers; after completing the assignment of service requests to a batch, perform a matching process to endeavour to match each service request of the batch of requests to a service provider; and for each service provider to whom a match is made, output a notification of the respective potential match from the output device.

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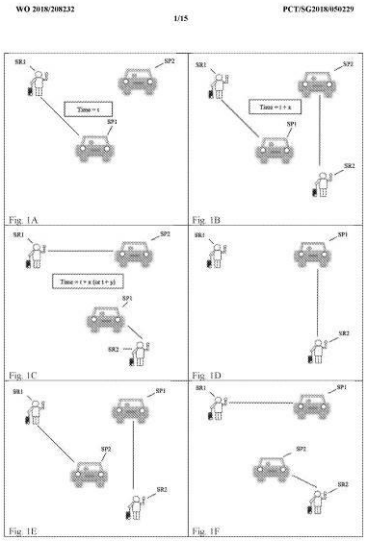

14- G06Q 50/30

១- KH/P/២០២០/០០០០៨ SG

២- ខ

៣- ០០០៥៨

៤- SOLARLYTICS, INC. [US]

៥- MCNAMARA, Robert P. [US] and RAYMOND, Douglas M. [US]

៦- Kimly IP Service

៧- KH/P/២០២០/០០០០៨ SG

៨- Receiving Date: ២៨/១០/២០២០

SG Filing Date: ២១/០២/២០១៥ SG Registration Number: ១០២០១៩០៧១៧៤X

៩- 61/943,127 21/02/2014 US; 61/943,134 21/02/2014 US; 61/947,326 03/03/2014 US and 62/022,087 08/07/2014 US

១០- ថ្ងៃទី២៧ ខែកក្កដា ឆ្នាំ២០២១

១១- SYSTEM AND METHOD FOR MANAGING THE POWER OUTPUT OF A PHOTOVOLTAIC CELL

១២- A solar cell management system for increasing the efficiency and power 5 output of a solar cell and methods for making and using the same. The management system provides an electric field across an individual solar cell, an array of solar cells configured as a panel, or a group of solar panels. The imposed electric field exerts a force on both the electrons and holes created by light incident on the solar cell and accelerates the electron-hole pairs towards the electrodes of the solar cell. Compared to conventional solar cells, these accelerated electron-hole pairs travel a shorter distance from creation (by incident optical radiation) and spend less time within the solar cell material, therefore the electron-hole pairs have a lower likelihood of recombining within the cells′ semiconductor′s material. This reduction in the electron-hole recombination rate results in an overall increase in the solar cells′ efficiency and greater power output.

Fig. 4

(៣)-

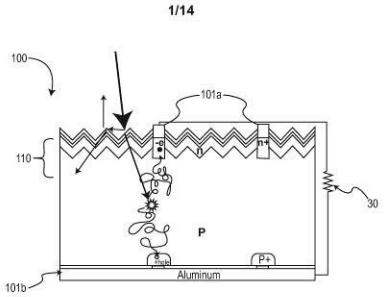

FIG. 1

(៥)- H01L 31/02, H02J 3/38, H02J 7/35, H02S 40/32

1- KH/P/2020/00008 SG

2- B

3- 00058

4- SOLARLYTICS, INC. [US]

5- MCNAMARA, Robert P. [US] and RAYMOND, Douglas M. [US]

6- Kimly IP Service

7- KH/P/2020/00008 SG

8- Receiving Date: 28/10/2020

SG Filing Date: 21/02/2015 SG Registration Number: 10201907174X

9- 61/943,127 21/02/2014 US; 61/943,134 21/02/2014 US; 61/947,326 03/03/2014 US and 62/022,087 08/07/2014 US

10- 27 July, 2021

11- SYSTEM AND METHOD FOR MANAGING THE POWER OUTPUT OF A PHOTOVOLTAIC CELL

12- A solar cell management system for increasing the efficiency and power 5 output of a solar cell and methods for making and using the same. The management system provides an electric field across an individual solar cell, an array of solar cells configured as a panel, or a group of solar panels. The imposed electric field exerts a force on both the electrons and holes created by light incident on the solar cell and accelerates the electron-hole pairs towards the electrodes of the solar cell. Compared to conventional solar cells, these accelerated electron-hole pairs travel a shorter distance from creation (by incident optical radiation) and spend less time within the solar cell material, therefore the electron-hole pairs have a lower likelihood of recombining within the cells´ semiconductor´s material. This reduction in the electron-hole recombination rate results in an overall increase in the solar cells´ efficiency and greater power output.

Fig. 4

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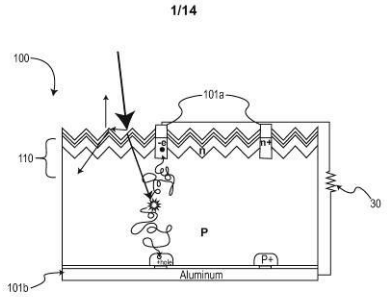

FIG. 1

14- H01L 31/02, H02J 3/38, H02J 7/35, H02S 40/32

(១)- KH/P/២០២០/០០០០៩ SG

(២)- ខ

(៣)- ០០០៥៩

(៤)- THE GENERAL HOSPITAL CORPORATION [US]

(៥)- VACANTI, Joseph, P. [US]

(៦)- Kimly IP Service

(៧)- KH/P/២០២០/០០០០៩ SG

(៨)- Receiving Date: ១២/១១/២០២០

SG Filing Date: ២៨/០៧/២០១៦ SG Registration Number: ១១២០១៨០១២១៨R

(៩)- 62/205,214 14/08/2015 US

(១០)- ថ្ងៃទី២៧ ខែកក្កដា ឆ្នាំ២០២១

(១១)- SYSTEMS FOR AND METHODS FOR USING BIOMIMETIC STRUCTURES PROVIDING COMMUNICATION IN LIVING TISSUE

(១២)- A platform for creating engineered tissues includes a vascular tube that defines a vascular diameter and is configured to receive vascular system seed cells, a non vascular tube that defines a non-vascular tube diameter and is configured to receive organ system seed cells, and a barrier formed between the vascular tube and the non vascular tube.

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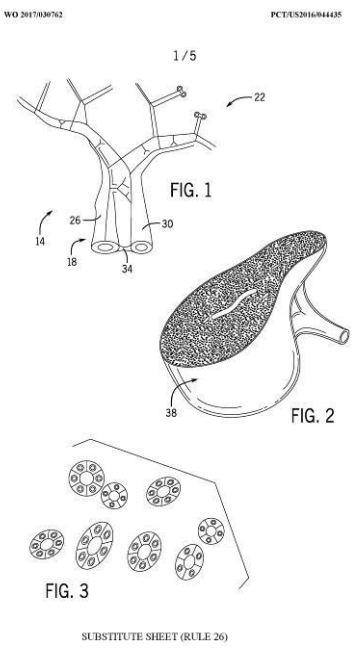


๑๕-	C12N 5/00

1- KH/P/2020/00009 SG

2- B

3- 00059

4- THE GENERAL HOSPITAL CORPORATION [US]

5- VACANTI, Joseph, P. [US]

6- Kimly IP Service

7- KH/P/2020/00009 SG

8- Receiving Date: 12/11/2020

SG Filing Date: 28/07/2016 SG Registration Number: 11201801218R

9- 62/205,214 14/08/2015 US

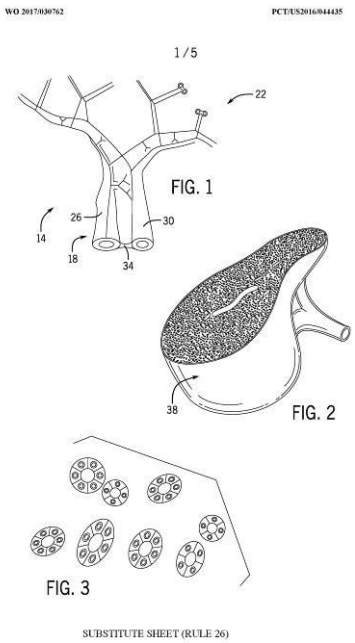
10- 27 July, 2021

11- SYSTEMS FOR AND METHODS FOR USING BIOMIMETIC STRUCTURES

PROVIDING COMMUNICATION IN LIVING TISSUE

12- A platform for creating engineered tissues includes a vascular tube that defines a vascular diameter and is configured to receive vascular system seed cells, a non vascular tube that defines a non-vascular tube diameter and is configured to receive organ system seed cells, and a barrier formed between the vascular tube and the non vascular tube.

13-



14- C12N 5/00