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MALAYSIA INTELLECTUAL PROPERTY OFFICIAL JOURNAL

PATENT

17 September 2025
Batch 19/2025

PERBADANAN HARTA INTELEK MALAYSIA
Intellectual Property Corporation Of Malaysia (MyIPO)

GENERAL INFORMATION

1. In accordance with subsection 31(3) of the Patens Act 1983, the following patents have been granted.

2. In accordance with subsection 35(3) of the Patents Act 1983, the following patents are lapsed.

3. In accordance with subsection 35A(3) of the Patents Act 1983, the following patents are reinstated.

4. In accordance with subsection 33D(1) of the Patents Act 1983, the registrar shall publish the prescribed information relating to patent application—

   a) after 18 months from filing date, or if right of priority is claimed, the priority date of a patent application; or
   b) at the request of the applicant for an early publication before the period specified in paragraph (a).

5. In accordance with subsection 55(4) of the Patents Act 1983, the following patents are surrender.

6. In accordance with subregulation 34(5) of the Patents Regulations 1986, the following patents have changed it ownership.

7. In accordance with subsection 54(3) of the Patents Act 1983, the following compulsory licences are surrender.

INTELLECTUAL PROPERTY OFFICIAL JOURNAL

Batch No.
19/2025

LAPSED

WITH EFFECT FROM DATE 17 SEPTEMBER 2025
THE FOLLOWING PATENTS /
UTILITY INNOVATIONS HAVE LAPSED

No.	Patent No.	Application No.
1	MY-137662-A	PI 20055209
2	MY-142982-A	PI 20053643
3	MY-143071-A	PI 20051795
4	MY-145400-A	PI 20070381
5	MY-145408-A	PI 20083651
6	MY-145441-A	PI 20082733
7	MY-145457-A	PI 20092591
8	MY-145503-A	PI 20052785
9	MY-145566-A	PI 20063762
10	MY-145569-A	PI 20081121
11	MY-145588-A	PI 20053389
12	MY-147944-A	PI 20001330
13	MY-147962-A	PI 20082319
14	MY-148000-A	PI 2010000434
15	MY-148028-A	PI 20085064
16	MY-148068-A	PI 20052813
17	MY-148121-A	PI 20056238
18	MY-150623-A	PI 2012700220
19	MY-150663-A	PI 20094237
20	MY-150678-A	PI 20062106
21	MY-150692-A	PI 20071228
22	MY-150706-A	PI 20070043
23	MY-150818-A	PI 2011005903
24	MY-150819-A	PI 2011004493
25	MY-150820-A	PI 2010002785

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26	MY-150832-A	PI 2010005383
27	MY-153390-A	PI 20092178
28	MY-153424-A	PI 20062122
29	MY-153434-A	PI 2011003755
30	MY-153441-A	PI 2010001566
31	MY-153444-A	PI 2011000500
32	MY-153461-A	PI 2011001562
33	MY-153469-A	PI 2010003685
34	MY-153536-A	PI 2010002471
35	MY-153539-A	PI 2011006089
36	MY-156323-A	PI 2012001227
37	MY-156331-A	PI 2011000251
38	MY-156370-A	PI 2011003282
39	MY-156378-A	PI 2011002656
40	MY-156394-A	PI 2011003409
41	MY-156429-A	PI 2012700194
42	MY-156442-A	PI 2012002914
43	MY-159811-A	PI 2013003413
44	MY-159820-A	PI 2011001033
45	MY-159827-A	PI 2012003569
46	MY-159842-A	PI 2012004269
47	MY-159852-A	PI 2012001070
48	MY-159855-A	PI 2012002678
49	MY-159868-A	PI 2012002347
50	MY-159883-A	PI 2010005450
51	MY-159912-A	PI 2010002457
52	MY-159927-A	PI 2013000543
53	MY-159962-A	PI 2010002678
54	MY-159970-A	PI 2013003202
55	MY-159976-A	PI 2012002453

56	MY-159991-A	PI 2013000331
57	MY-159996-A	PI 2013002118
58	MY-160016-A	PI 2011003933
59	MY-160025-A	PI 2012000303
60	MY-160031-A	PI 2012003022
61	MY-160034-A	PI 2010006065
62	MY-160037-A	PI 2012003784
63	MY-160042-A	UI 2010004531
64	MY-160047-A	PI 2013003281
65	MY-160107-A	PI 2011001926
66	MY-160109-A	PI 20081783
67	MY-160135-A	PI 20052292
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79	MY-164940-A	PI 2013700970
80	MY-164944-A	PI 2013702496
81	MY-164962-A	PI 2014000231
82	MY-165008-A	PI 2014002610
83	MY-165036-A	PI 2014003216
84	MY-165056-A	PI 2013003715
85	MY-165061-A	PI 2012004382

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87	MY-165087-A	PI 2014000853
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89	MY-165101-A	PI 2014000530
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91	MY-165127-A	PI 2017700716
92	MY-165128-A	PI 2017702709
93	MY-165131-A	PI 2017701831
94	MY-165132-A	PI 2017701607
95	MY-165152-A	PI 2013002159
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97	MY-169029-A	PI 2014703414
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108	MY-173577-A	PI 2017701579
109	MY-173600-A	PI 2014003019
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111	MY-173670-A	PI 2016700755
112	MY-173699-A	PI 2012004591
113	MY-173700-A	PI 2012005038
114	MY-173708-A	PI 2016700591
115	MY-173726-A	PI 2015001127

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118	MY-173746-A	PI 20091669
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120	MY-173799-A	PI 2018700202
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123	MY-173807-A	PI 2018002305
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191	MY-183558-A	UI 2016702628
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193	MY-183571-A	UI 2017705093
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224	MY-189611-A	PI2018002419
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226	MY-189647-A	PI 2018702653
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234	MY-195551-A	UI2019000380
235	MY-195552-A	PI 2018702530

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256	MY-195830-A	PI2019004950
257	MY-195848-A	PI 2018701928
258	MY-195855-A	PI2021000955
259	MY-195860-A	PI2019004748
260	MY-195864-A	PI 2018000959
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262	MY-195942-A	PI2019001009
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281	MY-201228-A	PI2019004481
282	MY-201249-A	PI2019000590
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285	MY-201259-A	PI2019001808
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291	MY-201294-A	PI2020002165
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294	MY-201305-A	PI2020002958
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298	MY-201339-A	PI2020001930
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305	MY-201433-A	PI 2018701537
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307	MY-201446-A	PI2021005885
308	MY-201485-A	PI2020006542
309	MY-201490-A	PI2019005812
310	MY-201491-A	PI2019007668
311	MY-201492-A	PI2019007363
312	MY-201494-A	PI2020000721
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314	MY-201508-A	PI2019005760
315	MY-201519-A	PI2019005363
316	MY-201538-A	PI2019005188
317	MY-201542-A	PI2019007680
318	MY-201550-A	PI2019004303
319	MY-201552-A	PI2019004912
320	MY-201554-A	PI2019007717
321	MY-201562-A	PI2019006336
322	MY-201563-A	PI2019006186

18 MONTH PUBLICATION

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2022007282

(22) **Filing Date** : 04 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Rusli Bin Zakaria

(72) **Inventor(s)** : Rusli Bin Zakaria

(74) **Agent** : NONE

(54) **Title** : Penyandar Sejadah Mini

(57) **Abstract** : 1. Secara ringkasnya, REKA BENTUK PENYANDAR SEJADAH MINI RZ03/22 INI ADALAH SUATU PROOUK YANG BAHARU VANG MANA BANYAK MEMBERIKAN KEISTIMEWAAN DAN KELEBIHAN KEPADA YANG MENGGUNAKANNYA. SAIZ DAN REKAAN YANG KECIL TIDAK MENAMPAKKAN PENGGUNAAN SECARA JELAS KEPADA JEMAAH LAIN DAN JUGA MUNGKIN MENGGANGGU SAF SANGATLAH PENTING. KELEBIHAN REKAAN TELAH DAPAT MENGHALANG JEMAAH MENGGELUNSOR DAN YANG LEBIH PENTING ADALAH BOLEH DIGUNAKAN SEBAGAI ALTERNATIF UNTUK URUTAN DIBAHAGIAN BAWAH PINGGAN. REKAANNYA DIBUAT UNTUK KECEPATAN PEMASANGAN DAN JUGA PEMBUKAANNYA TIDAK AKAN MENGGANGGU JEMAAH LAIN SEMASA PERUBAHAN FUNGSINYA DIBUAT. 2. Lakaran Reka Bentuk inovasi produk ini seperti di dalam Gambar Rajah 1 dan konsep penggunaannya adalah seperti di Gambar Rajah 2. 3 dan 4. Produk prototype ini telah digunakan oleh saya sendlri semenjak Jun 2022.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2023001143

(22) **Filing Date** : 23 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Makeabl Sdn Bhd

(72) **Inventor(s)** :

(74) **Agent** : NONE

(54) **Title** : Systems And Methods Generating In-Situ Matrix Code, Blockchain Ruled, And Tokenization Of Images Or Multimedia Therefor

(57) **Abstract** : Described herein is systems and methods (1) of generating and linking in-situ matrix code, blockchain ruled, and tokenization of images or multimedia, comprising at least one stand-alone computer architecture, client and server architecture, or integrated architectures such as cloud servers, databases, or virtual machines comprising blockchain ruled generators to convert images or multimedia to non-fungible tokens.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001112

(22) **Filing Date** : 21 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Amiya Bhaumik ; Satheesh Babu Natarajan

(72) **Inventor(s)** : Amiya Bhaumik ; Satheesh Babu Natarajan ; Suriyakala Perumal Chandran ; Mohd Shahimi Mustapha ; Harikrishna A/L K.Ragavan Nair ; Mohammad Gousuddin ; Sreemoy Kanti Das ; Nadiah Syafiqah Binti Nor Azman

(74) **Agent** : Yip Jiun Hann C/O Trademark2u Sdn Bhd

(54) **Title** : A Method For Preparing An Essential Oil With Nanoemulgel Formulation For Wound Healing

(57) **Abstract** : The present invention relates to a method for preparing an essential oil with nanoemulgel formulation for wound healing (100), comprising the steps of: predetermining the concentration level of active ingredient in an essential oil (110); prescreening and preselecting the concentration of an oil (120) to disperse the essential oil for enhancing emulsification efficiency; mixing the selected oil with at least two dispersing agent (130) with concentration at a range of 1% w/w -5% w/w in water for 10 minutes at 1000 rpm to form a homogenous solution; adding the essential oil with the solution and mixing (140) in 500-1000 rpm speed for 10- 30 minutes to form a mixture; sonicating the mixture (150) preferably at the range of 180 seconds - 300 seconds at 50-100 % amplitude to form an nanoemulsion; optimizing the nanoemulsion formulation using an analyzed computing means (160); mixing a polymeric gelling agent with concentration range at 0.5% w/w - 5% w/w to a mixture of water and glycerol (170) with a 0.5% w/w cross-linking agent at room temperature at 500 rpm to form a homogenous gelling mixture; and mixing the optimised nanoemulsion formulation with the gelling mixture (180) at 500 rpm to produce a nanoemulgel formulation. Drawing accompanying abstract: Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001113

(22) **Filing Date** : 21 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Universiti Sains Malaysia

(72) **Inventor(s)** : Mariatti Jaafar @ Mustapha ; Zuratul Ain Abdul Hamid ; Asmak Abdul Samat ; Badrul Hisham Yahaya

(74) **Agent** : Tee Lin Yik C/O Tee Ip Sdn Bhd

(54) **Title** : Tracheal Prosthesis And Method Of Producing Thereof

(57) **Abstract** : ABSTRACT TRACHEAL PROSTHESIS AND METHOD OF PRODUCING THEREOF The present invention relates to a tracheal prosthesis comprising a tracheal scaffold having a tubular structure, an outer surface, an inner surface, a first end, a second end, a length between the first end and the second end, and a lumen extending between the first end and the second end; wherein the tracheal scaffold is made of biocompatible polymers fibre and a natural biomaterial coating; characterized by the natural biomaterial coating on the outer and inner surfaces of the lumen comprises collagen solution crosslinked with 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide solution; wherein the tracheal scaffold is pre-seeded with autologous or allogeneic mesenchymal stem cells; wherein the tracheal scaffold comprises multiple pores radially arranged along the length of the tracheal scaffold. Accompanying drawing: [Fig. 1]

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001213

(22) **Filing Date** : 26 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Tan Boon Heng

(72) **Inventor(s)** : Thor Lai How

(74) **Agent** : Lok Choon Hong

(54) **Title** : A Circuit For Improving Sound Output Of An Audio System

(57) **Abstract** : The present invention discloses a circuit (100) for improving a sound output of an audio system, the circuit (100) comprising: input terminals (9, 10) for receiving an electric current from the audio system; a filter circuit connected across the input terminals (9, 10) for filtering a signal by passing predefined frequencies, the filter circuit comprising: at least one input capacitor (1); and at least one resistor (2) connected in series with the at least one input capacitor (1); at least one inductor (3, 5) connected in series with the filter circuit; one or more semiconductor diodes (4, 6, 8) connected in parallel with the at least one inductor (3, 5); and output terminals (11, 12) for outputting a predetermined amount of the electric current; wherein the circuit (100) further comprising an output capacitor (7) connected in series with the one or more diodes (4, 6, 8) across the output terminals (11, 12), such that the operative connection of the filter circuit, the output capacitor (7) in series connection with a third semiconductor diode (8), and the parallel arrangement of the at least one inductor (3, 5) and the one or more semiconductor diodes (4, 6) form a single integrated circuit (100) which improves the sound output of the audio system. (The most illustrative figure: FIG. 1)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001215

(22) **Filing Date** : 26 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Cell Tissue Technology Sdn Bhd

(72) **Inventor(s)** : Khairul Idzwan Bin Baharin ; Luqman Hakim Bin Mat Jusoh

(74) **Agent** : Lok Choon Hong

(54) **Title** : A Patch For Topical Delivery Of Bioactive Compounds

(57) **Abstract** : The present invention relates to a topical patch for gradual release of a bioactive composition, the topical patch comprising a permeable substrate; a hydrogel matrix adhering to the substrate and comprising the bioactive composition, wherein the hydrogel matrix comprises a first layer and a second layer, and the first layer has a relatively larger pore size than the second layer; and an adhesive layer configured to adhere the hydrogel matrix onto a surface. (No illustration for abstract)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001253

(22) **Filing Date** : 27 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Biorism Holdings Sdn. Bhd.

(72) **Inventor(s)** : Moisés Barbosa Vieira ; Rui Samuel Dias Da Costa ; Isabel Maria Ferreri De Gusmão E Silva

(74) **Agent** : Mohana Murali A/L Kodivel C/O Adastra Intellectual Property Sdn. Bhd.

(54) **Title** : Formulation And Nanoparticles Of Silica For Scalp Strengthening, Scalp Strengthening Textile Fabric And A Method Of Manufacturing Thereof

(57) **Abstract** : The present invention discloses a formulation of a compound having scalp-strengthening active ingredient, R2 embedded onto a cellulose-based textile fabric, R1. The present invention further discloses a scalp-strengthening textile fabric (100) comprising a composition of nanoparticles (102) formed through a sol-gel process, at least one scalp strengthening active ingredient (104), and a cellulose polymer (106) based textile fabric (110). Moreover, the present invention also discloses a method (200) for producing a scalp strengthening textile fabric. The method (200) involves preparing a water miscible solution of the active ingredient and hydrolysable silane, forming a sol-gel embedded in an emulsion, adjusting pH, and evaporating the solvent to yield active ingredient-loaded nanoparticles. This formulation is applied to the textile fabric, creating a durable scalp-strengthening textile fabric with covalent linkages between the cellulose polymer and active ingredient-loaded nanoparticles. The most illustrative drawing is Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001272

(22) **Filing Date** : 29 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Yunhe Technology Co., Ltd

(72) **Inventor(s)** : Yang, Po-Feng

(74) **Agent** : Teo Bong Kwang C/O Wong Jin Nee & Teo

(54) **Title** : Simulated Handgun Structure

(57) **Abstract** : A simulated handgun structure (100) includes a slide seat (11) having a sensing member (111), and a follower (14) having a stop part (141). A slide (20) is slidably disposed on the slide seat (11) and has a sensed member (21) and a stop notch (22). When the sensed member (21) and the sensing member (111) are perpendicularly aligned, the sensing member (111) sends a firing signal. A magazine (30) has a stretching part (311). In a processing module (50), a counting unit (51) receives the firing signal for calculation and outputs a remaining cartridge count to a controlling unit (52). When the remaining cartridge count is one, the controlling unit (52) controls the stretching part (311) to push the follower (14) upward, so that the stop part (141) is engaged in the stop notch (22) when the slide (20) slides to a second position (P2).

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001289

(22) **Filing Date** : 29 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Websight Horizon Sdn Bhd

(72) **Inventor(s)** : Pun E-Ken ; Lee Chau Seion

(74) **Agent** : Huang Peter C/O Peter Huang & Richard

(54) **Title** : System & Methods For Local Community Engagement & Services Deliver

(57) **Abstract** : An ESG-focused super app serves as a centralized platform designed to integrate and promote Environmental, Social, and Governance (ESG) principles within its features and services. Unlike conventional super apps that primarily focus on delivering diverse services, an ESG-focused super app prioritizes sustainability, social responsibility, and ethical governance. Its main function is to empower users to make environmentally conscious choices, foster community well-being, and engage in transparent and responsible governance practices. The importance of an ESG-focused super app lies in its ability to align digital experiences with global priorities for a more sustainable and ethical future. By integrating tools for carbon footprint tracking, community engagement, and transparent governance, the app encourages users to actively participate in initiatives that contribute to environmental preservation, social inclusivity, and ethical decision-making. In contrast to conventional super apps, this specialized focus amplifies the positive impact technology can have on individual lifestyles, community dynamics, and overall societal well-being, fostering a sense of collective responsibility and awareness. The ESG-focused super app not only meets user demands for convenience and diverse services but also addresses the growing global emphasis on sustainable and socially responsible practices. It serves as a catalyst for positive behavioral change, allowing users to contribute to a more responsible and resilient community. This unique positioning makes it an essential tool in the digital landscape, promoting values that extend beyond conventional service delivery to create a positive impact on the environment, society, and governance.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001303

(22) **Filing Date** : 29 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Monash University Malaysia

(72) **Inventor(s)** : Janarthanan A/L Supramaniam ; Darren Low Yi Sern ; Tang Siah Ying (Pi)

(74) **Agent** : Timothy Siaw Yean Hwa C/O Shearn Delamore & Co.

(54) **Title** : Reinforced Self-Healing Article And Method Of Manufacturing The Same

(57) **Abstract** : The present invention relates to a composition of a self-healing article and the method of manufacturing the same. More particularly, the present invention relates to the preparation of a self-healing article known as the carboxylated nitrile butadiene rubber (XNBR) thin films reinforced with sustainable TEMPO-oxidized cellulose nanofibers (TOCN) and method of manufacturing the same. The XNBR thin films were fabricated using wet mixing and casting methods, and further translated to prototype fabrication via dipping method. Zinc stearate, and subsequently filler concentrations have been studied for its effect on healing efficiency via intrinsic ionic mechanisms. The present invention provides a strong foundation for developing self-healing rubber gloves with high potential for commercialization. Figure 1.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001307

(22) **Filing Date** : 29 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Act Engineering Sdn. Bhd. ; Nexus Bersatu Sdn. Bhd.

(72) **Inventor(s)** : Lee Yi Hua

(74) **Agent** : Lok Choon Hong

(54) **Title** : A Collapsible Furniture Assembly

(57) **Abstract** : The present invention discloses a method of forming a joint between two adjacent panels (110, 120) within a collapsible furniture assembly, the method comprises the steps of: placing one panel (110, 120) on top of another in such a way that their joining edges are in alignment; cutting away at least one segment of the joining edges to create a continuous slanted surface (141) across the two panels (110, 120); and laying an adhesive (140) on the slanted surface (141) to form a hinge connection between the panels (110, 120). (Fig. 24c)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001321

(22) **Filing Date** : 29 February 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Redbeat Academy Sdn Bhd

(72) **Inventor(s)** : Ram Gopal Raj

(74) **Agent** : Chew Kherk Ying C/O Wong & Partners

(54) **Title** : A Method For Automated Curriculum Adaptation To Enhance Learning Efficiency

(57) **Abstract** : The present disclosure relates, in general, to a method for automated curriculum adaptation to enhance learning efficiency, and more specifically, relates to a method for automatically applying assessments for a learner depending on a measured degree of taxonomy achievement and their knowledge quotient, thereafter dynamically adjusting the curriculum based on the knowledge quotient of its learners. The method comprises administering an assessment to the learner (206) and measuring a degree of taxonomy achieved by the learner to compute an updated cumulative KQ. If the degree of taxonomy achieved is less than an expected taxonomy (208), comparing the existing cumulative KQ and the updated cumulative KQ and repeat administering the assessment (210), wherein if the existing cumulative KQ is more than the updated cumulative KQ, storing the updated cumulative KQ and defining the existing cumulative KQ as a new existing cumulative KQ; and if the existing cumulative KQ is less than the updated cumulative KQ, storing the updated cumulative KQ and defining the updated KQ as a new existing cumulative KQ. If the degree of taxonomy achieved is equal to or more than an expected taxonomy (216), storing the updated cumulative KQ as the existing cumulative KQ to indicate a positive learning experience and administering a new assessment to the learner (218). MOST ILLUSTRATIVE DRAWING: Figure 2

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001395

(22) **Filing Date** : 05 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Faradays Energy Sdn Bhd

(72) **Inventor(s)** : Vimal Dev Naidu Sivan ; Viknesh S Balachandran ; Yoghen Pillai C Manoharan

(74) **Agent** : Tee Lin Yik C/O Tee Ip Sdn Bhd

(54) **Title** : A Proton Exchange Membrane For An Electrochemical Device And A Method Of Fabricating The Same

(57) **Abstract** : ABSTRACT A PROTON EXCHANGE MEMBRANE FOR AN ELECTROCHEMICAL DEVICE AND A METHOD OF FABRICATING THE SAME The invention relates to a proton exchange membrane for an electrochemical device, characterized by: the membrane is a sulfonated tetrafluoroethylene polymer membrane infused with nickel, quaternized hafnium, and metal organic framework. Further, a method of fabricating the proton exchange membrane for a hydrogen production is also disclosed. The most illustrative figure: Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001424

(22) **Filing Date** : 06 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Geoquest Systems B.V.

(72) **Inventor(s)** : Ming Xiang Lee ; Iakov Kozlov

(74) **Agent** : Soo Ee Lin C/O Spruson & Ferguson (M) Sdn. Bhd.

(54) **Title** : Data-Driven Optimization For Rock Physics Modeling Assisted By Machine Learning

(57) **Abstract** : The disclosed methods include: generating a geological model; sampling captured geological data to generate sampled data; evaluating, using an objective function, the sampled data to determine a parameter range for the geological model; deploying, based on the parameter range, a machine learning unsupervised clustering of datapoints comprised in the sampled data to generate seeds data; and ranking, based on the seeds data, two or more rock physics parameters of the geological model. The method further comprises: stochastically optimizing the geological model based on the seeds data and the determined parameter range to generate model performance data for the geological model; calibrating, based on the model performance data, the two or more parameters of the geological model to generate a calibrated geological model; and generating, based on the calibrated geological model, a multidimensional report indicating elastic property predictions for each lithology comprised in a reservoir associated with the resource site. FIG. 4B

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001430

(22) **Filing Date** : 06 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Universiti Sains Malaysia

(72) **Inventor(s)** : Mohd Nazri Bin Ismail ; Amirah Binti Mohd Gazzali ; Nur Hidayah Kaz Binti Abdul Aziz ; Dasi Ong Binti Yaqut Ong

(74) **Agent** : Muhammad Hazif Azlan Bin Ziaudin Ahamed C/O Teraju Ip Sdn Bhd

(54) **Title** : A Pharmaceutical Composition For Use In A Method Of Wound Healing, Preventing Scar Formation And Microbial Infection

(57) **Abstract** : The invention relates to a pharmaceutical composition that comprises Channa striata protein extract for use in wound healing, reducing scar formation and preventing microbial growth. The composition the composition comprises emulsifying wax, cetyl alcohol, white soft paraffin, liquid paraffin, sterile water, Channa striata protein extract, vitamin E, chlorhexidine diacetate, and phenoxyethanol.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001440

(22) **Filing Date** : 07 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Tien Chung Technology Sdn Bhd

(72) **Inventor(s)** : Tan See Teik

(74) **Agent** : Leong Jin Hoong C/O Ng, Arlene Tan & Leong

(54) **Title** : Method And System For Generating Buy Signals In A Stock Screener

(57) **Abstract** : METHOD AND SYSTEM FOR GENERATING BUY SIGNALS IN A STOCK SCREENER ABSTRACT The present invention discloses a method and system for generating buy signals in a stock screener system, offering a novel approach to informed decision-making in financial trading. Leveraging advanced technical analysis techniques, the system analyzes individual signals derived from specific technical indicators, including Moving Average Convergence Divergence (MACD), Moving Average (MA), and KDJ, to identify various signal types. Customizable parameters such as thresholds, timeframes, and confirmation criteria empower users to tailor buy signals according to their trading preferences and risk tolerance. Real-time alerts ensure timely notification of predefined buy signals, enhancing traders' ability to capitalize on market opportunities. Furthermore, the integration of fundamental analysis data, market sentiment indicators, or news sentiment analysis enhances signal accuracy. With a user-friendly interface and visualization tools, the system facilitates intuitive interpretation of buy signals, empowering traders to make informed decisions. Continuous learning through machine learning capabilities ensures adaptation to evolving market conditions, enhancing signal accuracy over time. The most illustrative drawing is Figure 1.

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001462

(22) **Filing Date** : 07 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Imagine Ai Sdn Bhd

(72) **Inventor(s)** : Edwin Loh Chi-Vin

(74) **Agent** : Lok Choon Hong

(54) **Title** : System And Method For Enabling Development Of An End-To-End No Code Artificial Intelligence Vision Software With Ai And Computer Vision Frameworks

(57) **Abstract** : The invention provides a web-based system that operates on a cloud environment to provide a platform that includes a first part that relates to an image processing service in computer vision, and a second part that relates to a deep learning model training service. The platform enables users to develop an end-to-end artificial intelligence vision software with artificial intelligence and computer vision frameworks in a code-free manner through the services provided by each part of the platform, providing enhanced user accessibility from data acquisition, image processing, annotation, augmentation, training, model exportation to analysis and fine tuning of model. A corresponding method is further described. (Fig. 4)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001469

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Az Performance Coating Sdn. Bhd.

(72) **Inventor(s)** : Tan Zhi Yuan

(74) **Agent** : Nur Hazwah Mohd Amin

(54) **Title** : Vehicle Glass Coating Applicator

(57) **Abstract** : The present invention relates to a vehicle glass coating applicator (100) comprises of a long oval-shaped casing (10) with a detachable cover (20) on top of the casing (10) wherein the detachable cover (20) having an opening surface (22) and incorporated with two parallel centre bridges (24) for adequate strength; a microfiber material (30) is attached on top of the detachable cover (20) and covered on the opening surface (22) of the detachable cover (20); a small oval-shaped opening (12) at a bottom centre of the casing (10) for inserting a detachable pushing mechanism (40); wherein the detachable pushing mechanism is a small oval-shaped piece of material having at least two pointed ends (44) at a bottom of the pushing mechanism (40) at two ends; at least two stoppers (46) projected downwardly from the bottom centre sidewall edges of the pushing mechanism (40); and two flanges (48) projected at each end of the stoppers (46) for securing the pushing mechanism (40) in place; at least two holders (14) are provided for holding two plastic liquid tubes (50); and the two plastic liquid tubes (50) having a snap cap (52) are placed in line with the snap cap (52) is facing each other. Most illustrative figure is FIG. 2

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001482

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Cell Tissue Technology Sdn Bhd

(72) **Inventor(s)** : Khairul Idzwan Bin Baharin ; Luqman Hakim Bin Mat Jusoh

(74) **Agent** : Lok Choon Hong

(54) **Title** : A Method For Producing Halal Cultured Meat

(57) **Abstract** : The present invention relates to a method of producing Halal-compliant cultured meat, the method comprising the steps of obtaining a tissue sample from a Halal source, isolating primary muscle stem cells from the tissue sample, culturing the primary muscle stem cells to obtain cultured cells, seeding the cultured cells on an edible scaffold and culturing the seeded scaffold to obtain the Halal-compliant cultured meat. (No illustration for abstract)

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001484

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Mimos Berhad

(72) **Inventor(s)** : Yuen Shang Li ; Nur Afiqah Kamarudin ; Muhammad Hafiz Samsuri ; Muhammad Syukri ; Hon Hock Woon

(74) **Agent** : Lok Choon Hong

(54) **Title** : System And Method To Perform Data Augmentation For Wire Bond Inspection

(57) **Abstract** : The present invention provides a method and system (2000) to perform data augmentation for wire bond inspection. More specifically, the present invention provides an input module (2210), configured to perform a step of receiving captured point cloud data of one or more wire bonds of a semiconductor device from a data capturing unit (2100), a synthetic data generation module (2260), configured to perform the step of generating synthetic data for the captured point cloud data, a wire bond defect detection model generation module (2280), configured to perform the step of generating a wire bond defect detection model using the synthetic data, and a wire bond defect detection module (2290), configured to perform the step of detecting one or more wire bond defects within the captured point cloud data using the generated wire bond defect detection model. The synthetic data generation module (2260) generates synthetic data that pertains to any one or a combination wire bonds in a non-defect condition and wire bonds in a defect condition of a plurality of defect categories. (Figure. 1)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001488

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Nanomalaysia Berhad

(72) **Inventor(s)** : Dr. Wong Wai Yin

(74) **Agent** : Mohana Murali A/L Kodivel C/O Adastra Intellectual Property Sdn. Bhd.

(54) **Title** : Nanocomposite Membrane For Hydrogen Production And The Method For Producing The Same

(57) **Abstract** : The present disclosure relates to the field of nanocomposites membrane. More particularly, the present invention relates to a PTFE- reinforced anion exchange membrane for hydrogen production and the method for producing the same. The present invention provides PTFE-reinforced QGO/QPVA membrane that shows negligible potential degradation and retains the cell performance between 60-75% for efficient hydrogen production. The most illustrative drawing: Figure 3

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001494

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Dagangasia Network Holding Sdn Bhd

(72) **Inventor(s)** : Yap Wun She ; Goi Bok Min ; Denis Wong Chee Keong ; Er Jing Yang

(74) **Agent** : Lok Choon Hong

(54) **Title** : A Method For Enhancing Security Of A Blockchain Architecture And System Thereof

(57) **Abstract** : The present invention discloses a computer-implemented method for enhancing security of a blockchain architecture (2) and system thereof, the method comprising the steps of: initializing a setup phase, by a setup module (3), comprising the steps of constructing, by a cryptographic element generating module (4), a structured cryptographic element; and establishing, by a parameter determination module (5), a set of parameters for cryptographic operations; executing an extended control phase, by an extended control module (6), comprising the steps of generating, by a hierarchy generating module (7), a hierarchy of cryptographic elements based on the determined set of parameters; applying a transformation, by a transformation module (8), on said hierarchy of cryptographic elements; generating, by a master key generating module (9), a master key with a fixed seed value, such that said master key is stored in a blockchain key space; and generating, by a key pair generating module (10), at least one pair of private key and public key, for use in verifying and signing one or more transactions on a blockchain network; wherein the applied transformation onto the hierarchy of cryptographic elements forms a list of codes over a finite field encompassing the original structured cryptographic element, and said list of codes is computed in a way that one master key is used to generate a plurality of private key and public key pairs thereafter. (The most illustrative figure: FIG. 1)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001497

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Billion Prima Sdn Bhd

(72) **Inventor(s)** : Goh Chu Leong ; Tan Heng Kwan ; Lee Yuh Jiunn ; Muhamad Hilmy Bin Ramli ; Mohamed Farhan Bin Mohamed

(74) **Agent** : Ahmad Fadzlee Bin H A Rashid C/O Ipvolusi Sdn. Bhd.

(54) **Title** : A Cargo Inspection System

(57) **Abstract** : The present invention relates to a cargo inspection system (100). The cargo inspection system (100) is adapted to capture X-ray imaging of a cargo container from multiple perspective angles. By doing so, a comprehensive coverage of the X-ray imaging of the cargo container content could be attained by the cargo inspection system (100). The cargo inspection system (100) comprises two X-ray sources (110), two X-ray detectors (120), a controller (130) and a processing unit (140). The X-ray sources (110), the X-ray detectors (120) and the processing unit (140) are electrically connected to the controller (130).

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001501

(22) **Filing Date** : 11 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Teo Chee Loong

(72) **Inventor(s)** : Teo Chee Loong

(74) **Agent** : Chee Jenn Yang C/O Nbs Intellectual Sdn. Bhd.

(54) **Title** : A Composition Of Animal Repellent And Method Of Preparation And Use Thereof

(57) **Abstract** : The present invention relates to an animal repellent (15) composition comprising of a belacan paste (11), a camphor powder (12), and water, characterised in that at least one part of the belacan paste (11), at least one part of the camphor powder (12), is mixed with at least one part of water for producing an animal repelling odour. Accordingly the present invention also relates to a method (100) for preparing the animal repellent (15), comprising the steps of mixing (101) at least one part of a belacan paste (11), at least one part of a camphor powder (12) with at least one part of water to produce a repellent mixture (13), stirring (102) the repellent mixture (13) to produce a homogenous repellent solution (14), filtering (103) the homogenous repellent solution (14) to produce an animal repellent solution (15), and optionally diluting with water to produce the animal repellent solution to a working concentration ranges between 1:200–1:1000.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001548

(22) **Filing Date** : 13 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Aksesori Setia Sdn Bhd

(72) **Inventor(s)** : Lam Harn Lian

(74) **Agent** : Leong Ay Kee C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Drawer Side Frame

(57) **Abstract** : A drawer side frame (7) comprising a side wall (70) for housing pull-out guide rails (4), a guide brace (21), an adjustment device (9) that includes an adjusting plate (14), and a connection element (19) for coupling the guide brace (21) and the adjusting plate (14). The guide rails (4) include a drawer rail (10) operatively connected to a drawer (3). The side wall includes connector struts (18a, 18b, 18c, 18d) for receiving a drawer bottom panel (6). The guide brace (21) is anchored stationary to the drawer rail (10) to facilitate lowering and raising of the side wall relative to the guide rails (4). The adjustment device (9) is coupled to the connector strut (18a) for lowering and raising the side wall relative to the guide rails (4). The adjusting plate (14) is rested on the drawer rail (10). The connection element (19) enables the guide brace (21) and the adjusting plate 14 to work as a single unit, resulting in secure abutment of the adjusting plate (14) to the drawer rail (10) and restriction of displacement of the adjusting plate (14) during vertical displacement of the side wall. FIGURE 9a

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001562

(22) **Filing Date** : 13 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Mi Equipment (M) Sdn Bhd

(72) **Inventor(s)** : Tung Chun Kang ; Melon Ni ; Cheng Gong

(74) **Agent** : Wong Jan Ping C/O Jayp Intellectual Sdn Bhd

(54) **Title** : A System And Method For Testing Semiconductor Devices Using A Rotary Turret System

(57) **Abstract** : The present invention provides a system (101) and method for testing semiconductor devices (103) using a rotary turret system, comprising of at least one test module (111) of a test station (109) able to receive said semiconductor devices (103) from suction nozzles (107) on the circumference of a rotary turret (105) and transfer said semiconductor devices (103) to a tester (203) linearly; and returning said semiconductor devices (103) to said rotary turret (105) once test on said semiconductor device is completed; whereby high test speed and high yield output is obtained using said rotary turret system.

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001564

(22) **Filing Date** : 13 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Collaborative Research In Engineering, Science & Technology Center (Crest)

(72) **Inventor(s)** : Nor Fadzilah Abdullah ; Muhammad Aidiel Zulkifley ; Mehran Behjati ; Rosdiadee Bin Nordin

(74) **Agent** : Mohana Murali A/L Kodivel C/O Adastra Intellectual Property Sdn. Bhd.

(54) **Title** : An Unmanned Aerial Vehicle (Uav) Path Optimization System

(57) **Abstract** : The present invention relates to an unmanned aerial vehicle (UAV) path optimization system (1) including a processor-based controller unit (2) in operative communication with one or more sensors (6a,6b) adapted to acquire one or more UAV data and/or one or more UAV environment data, a processor-based transceiver unit (10) in operative communication with the controller unit (2), and machine-readable instructions for the controller unit (2), the instructions being adapted to determine an optimal UAV path of travel (58), the instructions including analyzing the one or more UAV data and/or the one or more UAV environment data, determining one or more UAV paths of travel based on the one or more UAV data and the one or more UAV environment data by means of a machine learning model, receiving an optimal UAV path of travel information from the machine learning model, and directing the UAV to execute the optimal UAV path of travel (58). (Figure 1)

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024001568

(22) **Filing Date** : 13 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Universiti Kebangsaan Malaysia

(72) **Inventor(s)** : Abdullah Amru Bin Indera Luthfi ; Mohamad Hisyam Bin Abdul Raman ; Muhammad Zamri Bin Mohd Zulkafli ; Wiryuazren Bin Abdul Hamid

(74) **Agent** : Mohana Murali A/L Kodivel C/O Adastra Intellectual Property Sdn. Bhd.

(54) **Title** : A Carrier Apparatus For Maneuvering At Least One Object And A Method Of Fabrication Thereof

(57) **Abstract** : The present invention discloses a carrier apparatus (100) designed for maneuvering objects, comprising a first arched member (102) with outwardly extended first flange elements (102a), and a second arched member (104) with second flange elements (104a) positioned in an inwardly facing relationship. Metallic plates (106) overlap oppositely faced flange elements and are connected by a shank (108) passing through symmetrically aligned through-holes. A handle arrangement (110) facilitates ergonomic lifting. The present invention also discloses a method (500) for fabrication thereof, that comprises constructing arched members, modifying flange elements with through-holes, preparing metallic plates, and creating corresponding through-holes. Assembly involves coupling flange elements with a shank and securing a handle arrangement for ergonomic lifting. The most illustrative drawing is Figure 1.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001585

(22) **Filing Date** : 14 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Pt Mark Dynamics Indonesia Tbk

(72) **Inventor(s)** : Cahaya Dewi Surbakti

(74) **Agent** : Tee Lin Yik C/O Tee Ip Sdn Bhd

(54) **Title** : Method Of Producing A Thin-Wall Ceramic Glove Former

(57) **Abstract** : ABSTRACT METHOD OF PRODUCING A THIN-WALL CERAMIC GLOVE FORMER The present invention relates to a method of producing a thin-wall ceramic glove former (100). The method comprising the steps of grinding raw materials of the ceramic glove former (100) to form slurry, filling the slurry into a combined mould to apply a slurry layer to surface of the combined mould, removing non-solidified slurry from the combined mould so that solidified slurry layer forms a green body of the ceramic glove former (100), removing the green body from the combined mould for washing, coating the green body, and firing the green body to produce the ceramic glove former (100), characterized in that filling and removing the slurry comprises the steps of pouring in and pouring out the slurry at 5 to 20 minutes to produce the ceramic glove former (100) with a wall thickness ranging from 1.0 to 2.0 mm. Most illustrative figure: Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001595

(22) **Filing Date** : 15 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Chew Ye Xian ; One Meds Sdn. Bhd.

(72) **Inventor(s)** : Tan Kian Leong

(74) **Agent** : NONE

(54) **Title** : A Preparation Of Phytochemical-Rich Extract By An In-House Sterilization & Fermentation Technique

(57) **Abstract** : The present invention relates to a method of preparing fermentation extract containing flavonoid compositions without degraded by thermal and pressure factors. The method comprises the steps of preparing herbal fermentation solution and sterilizing the fermentation solution without the involvement of high temperature and pressure. The fermentation extract prepared by the method described has been improved in active compound concentration, such as quercetin, flavonoid and phenolic compared to fermentation extract processed by high temperature and pressure.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001603

(22) **Filing Date** : 14 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Chukee Engineering Services Sdn Bhd

(72) **Inventor(s)** : Mr. Yip Chee Siang ; Mr. Tong Chu Kee

(74) **Agent** : Mohana Murali A/L Kodivel C/O Adastra Intellectual Property Sdn. Bhd.

(54) **Title** : A System, A Method, And A Sipcom Panel For Providing Continuous Operation In An Offshore Rig During Maintenance Activities

(57) **Abstract** : The present invention discloses a Simultaneous Production and Commissioning, SIPCOM panel (100), intrinsically integrated into existing pneumatic supply circuit of the offshore-rig. This SIPCOM panel incorporates a tie-in point (102) facilitating connection to an air compressor and an inert gas reservoir, a check valve assembly (104) for maintaining the supply of compressed air and inert gas, an adjustable pressure pilot (106) monitoring the pressure of the compressed air, an alarm assembly (108) activating upon detection of low pressure, and a switching mechanism (110) seamlessly transitioning the supply from compressed air to inert gas when necessary. The present invention further discloses a system (200) comprising a plurality of auxiliary pneumatic supply units integrated with the SIPCOM panel and the existing pneumatic supply circuit. Additionally, the present invention also discloses a method (300) involving connecting, regulating, monitoring, alarming, and switching to guarantee a continuous pneumatic supply, thus addressing critical challenges associated with offshore-rig maintenance activities. The most illustrative drawing is Figure 1.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001635

(22) **Filing Date** : 15 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Penfibre Sdn. Berhad

(72) **Inventor(s)** : Naoki Nomoto ; Choong See Loon ; Khor Jin Ying

(74) **Agent** : Ng Zi Yu C/O Intellect Patent & Innovation Sdn. Bhd.

(54) **Title** : Scratch Resistance And Transparent Optical Film

(57) **Abstract** : The present invention relates to a scratch resistance and transparent optical film, more specifically relates to a biaxially oriented scratch resistance and transparent polyethylene terephthalate film. The present invention also relates to a multilayer biaxially oriented polyester film capable of suppressing scratches and high haze in the film. The biaxially oriented polyester film contain inert particles (15, 17, 19) with the volume mean diameter of particles A (15) and particle B (17) are ranging from 0.10μm to 0.30μm and ranging from 1.00μm to 3.00μm respectively, scratch quantity of the film is 10pieces/100cm2 or less, thereby having a haze is 5.0% or less, the factor a of the particle A (15) is in the range from 3.0 to 9.0 and the factor b of the particle B (17) is in the range from 6.0 to 24.0, thereby being suitable for example optical clear adhesion separator base film. (The most illustrative figure is FIG. 1)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001639

(22) **Filing Date** : 15 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Lai Jie Hao

(72) **Inventor(s)** : Lai Jie Hao

(74) **Agent** : Loo How Jie

(54) **Title** : A System For Providing One Or More Personalized Responses And Wearable Article Thereof

(57) **Abstract** : The invention discloses a system for providing one or more personalized responses, comprises a wearable article (20) of a user (10); a microcontroller (21) embedded in or attached to the wearable article (20) for storing of a user identity information; a communication module (22) coupled with the microcontroller (21) for establishing a short-range wireless connection; a plurality of contactless communication readers (30) for retrieving the user identity information from the microcontroller (21) via the short-range wireless connection; and a server (50) connected to the contactless communication readers (30) for receiving the retrieved user identity information via a communication network (40); characterised in that the plurality of contactless communication readers (30) include at least one first communication reader and at least one second communication reader.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024001640

(22) **Filing Date** : 15 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Entomal Biotech Sdn. Bhd.

(72) **Inventor(s)** : Pui Wee Kong

(74) **Agent** : Sim Siew Lay C/O Prestige Ip Sdn. Bhd.

(54) **Title** : Systems And Methods For Providing Effective And Efficient Plastic Containers For Insect Rearing

(57) **Abstract** : A system for providing effective and efficient plastic containers for insect rearing includes, a multifunctional plastic container for insect rearing, specifically designed to offer both stacking ability for efficient space utilization during the rearing process and nesting ability for compact storage and transportation. In use, the multifunctional plastic container is characterized by a unique interlocking mechanism allowing for stable vertical stacking to maximize rearing space and efficient nesting that significantly reduces storage and transportation volume. Also, the multifunctional plastic container is configured to provide an integrated dual functionality to the system.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024002028

(22) **Filing Date** : 04 April 2024

(30) **Priority Date** : 08 March 2024

(71) **Applicant(s)** : King Lai Hygienic Materials Co., Ltd.

(72) **Inventor(s)** : Lin, Cheng-Chi ; Lin, Chiao-Wen

(74) **Agent** : Oon Yen Yen C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Two-Way Angle Valve Capable Of Buffering Deflation

(57) **Abstract** : A two-way angle valve capable of buffering deflation includes: a body having an inlet and an outlet; a drive cylinder coupled to the body; a main piston having therein an auxiliary drive cavity; a drive air duct; an auxiliary piston driven to be vertically movably disposed in the auxiliary drive cavity; an auxiliary spring; a stem fixedly disposed at the auxiliary piston and having an auxiliary disc; a main disc having a chamber, deflation buffering duct and deflation buffering hole; and a main spring. The stem is inserted into the main disc such that the auxiliary disc is vertically movably disposed in the chamber. The deflation buffering duct has one end in communication with the chamber and the other end defined as an opening formed at the main disc laterally. Therefore the deflation buffering duct and deflation buffering hole are in communication with the outlet and inlet respectively. Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024002811

(22) **Filing Date** : 14 May 2024

(30) **Priority Date** : 29 February 2024

(71) **Applicant(s)** : Cj Cheiljedang Corporation

(72) **Inventor(s)** : Moon Byoung Yong

(74) **Agent** : Fiona Teresa Jeffrey C/O Marks & Clerk (Malaysia) Sdn. Bhd.

(54) **Title** : Food Tray For Microwave Heating

(57) **Abstract** : A food tray for microwave heating includes a main body, a plurality of receiving parts each including a space in which food is received in the main body, a mounting part protruding from a bottom surface of the receiving part, and a reservoir 130 formed in a recessed form in a circumferential side of the mounting part. FIG. 1

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024002946

(22) **Filing Date** : 20 May 2024

(30) **Priority Date** : 14 March 2024

(71) **Applicant(s)** : Dreame Innovation Technology (Suzhou) Co., Ltd.

(72) **Inventor(s)** : Yao, Nan

(74) **Agent** : Noorserra Aryecca Binti Armat C/O Dreven Capital

(54) **Title** : Self-Moving Robot, Obstacle Crossing Method, Obstacle Crossing System, And Computer Readable Storage Medium

(57) **Abstract** : A self-moving robot includes an active obstacle crossing component and perform a cleaning task based on a preset cleaning frequency. An obstacle crossing method includes: identifying a type of an obstacle, and determining whether the obstacle is a first type of obstacle or a second type of obstacle according to a height rule (S202); obtaining a first obstacle crossing frequency corresponding to the first type of obstacle, and crossing over or not crossing over the first type of obstacle based on the first obstacle crossing frequency, where the first obstacle crossing frequency is less than or equal to the preset cleaning frequency (S204); and obtaining a second obstacle crossing frequency corresponding to the second type of obstacle, and crossing over or not crossing over the second type of obstacle based on the second obstacle crossing frequency, where the second obstacle crossing frequency is less than or equal to the preset cleaning frequency (S206). (Most illustrative figure: Fig. 2)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024002954

(22) **Filing Date** : 21 May 2024

(30) **Priority Date** : 11 March 2024

(71) **Applicant(s)** : Alu Materials Co., Ltd

(72) **Inventor(s)** : Choi, Jun Lak ; Park, Jin Woo ; Park, Do Bong

(74) **Agent** : Wong Qi Yuen C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Manufacturing Apparatus For Tubular Body Of Rectangular Electric Vehicle Battery Can

(57) **Abstract** : Disclosed is a manufacturing apparatus for a tubular body of an electric vehicle rectangular battery can, configured to precisely manufacture the tubular body of the rectangular aluminum battery can using only aluminum extrusion, to use aluminum alloy 6063 having significantly increased strength after heat treatment compared to aluminum alloy 3003 so as to perform a cutting process without a cold working step, to adjust a bearing length for each portion of an extrusion mold depending on a thickness of an extrusion tubular body to be extruded from the extrusion mold so as to increase flatness of the extrusion tubular body, and to reduce a thickness tolerance. The manufacturing apparatus includes a flattening means installed at an outlet of the extrusion mold and configured to pressurize upper and lower surfaces of the extrusion tubular body, thereby maintaining flatness of the extrusion tubular body and preventing dimensional deformation thereof. Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2024004525

(22) **Filing Date** : 05 August 2024

(30) **Priority Date** : 28 February 2024

(71) **Applicant(s)** : China Harbour Engineering Company Ltd. ; China Communications 2nd Navigational Bureau 2nd Engineering Co., Ltd.

(72) **Inventor(s)** : Wenjun Li ; Mingjun Yan ; Chi Zhang ; Bing Huang ; Kelan He ; Jianhua Ma ; Wen Li ; Wei Cai ; Menghui Li ; Hongjun Li

(74) **Agent** : Leong Jin Hoong C/O Ng, Arlene Tan & Leong

(54) **Title** : Overwater Anti-Collision Ring Beam And Construction Method Thereof

(57) **Abstract** : ABSTRACT OVERWATER ANTI-COLLISION RING BEAM AND CONSTRUCTION METHOD THEREOF The present invention discloses an overwater anti-collision ring beam and a construction method thereof. The overwater anti-collision ring beam comprises a protective ring beam (1) in a non-closed ring structure, the protective ring beam (1) comprises a cast-in-place concrete layer (13) and a prefabricated ring beam layer (10) which are stacked up and down, the prefabricated ring beam layer (10) comprises a plurality of prefabricated ring beam segments (11) which are connected in series in a head-tail manner, the prefabricated ring beam segment (11) is a strip-shaped concrete member, head and tail end surfaces of every two adjacent prefabricated ring beam segments (11) are fixedly connected, and the prefabricated ring beam segment (11) is vertically downwardly connected with a plurality of supporting columns (2). The present invention can provide permanent and high-strength protection for a protected structure, and the combination of cast-in-place and prefabrication is adopted in the invention, which greatly reduces the construction difficulty and improves the construction efficiency. The most illustrative drawing is FIG. 1.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024007132

(22) **Filing Date** : 11 December 2024

(30) **Priority Date** : 12 March 2024

(71) **Applicant(s)** : Eve Power Co., Ltd.

(72) **Inventor(s)** : Chen, Liquan ; Li, Weibo ; Su, Bin ; Yuan, Dingding

(74) **Agent** : Charmayne Ong Poh Yin C/O Skrine

(54) **Title** : Electrode Thermal-Compounding System

(57) **Abstract** : ABSTRACT ELECTRODE THERMAL-COMPOUNDING SYSTEM Provided is an electrode thermal-compounding system including a first electrode discharge assembly, a diaphragm film discharge assembly, a first thermal-compounding assembly, a second electrode discharge assembly, and a second thermal-compounding assembly arranged sequentially in an electrode conveying direction. First and second thermal-compounding assemblies each include two opposite hot pressing rollers, a protective film unwinding mechanism, and a dust removing mechanism on a side of the protective film away from the hot pressing roller, and between a receiving end of the protective film and the hot pressing roller. The first or second electrode follows the continuous diaphragm film to pass between two hot pressing rollers. The protective film passes between two hot pressing rollers and covers a surface of the continuous diaphragm film adjacent to the hot pressing roller. The hot pressing rollers hot-press the protective film to enable the first or second electrode thermally compound with the continuous diaphragm film.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2024007354

(22) **Filing Date** : 19 December 2024

(30) **Priority Date** : 27 February 2024

(71) **Applicant(s)** : Exebrain Co., Ltd.

(72) **Inventor(s)** : Kuan, Shu-Chun ; Lin, Jason Chun-Cheng

(74) **Agent** : Jasdeep Singh A/L Arjan Singh C/O Ip Sense Sdn. Bhd.

(54) **Title** : Method For Neurofeedback Training To Output Brain-Region Reality

(57) **Abstract** : A method for neurofeedback training to output brain-area reality is disclosed. The method includes transmitting a physical and mental parameter related to a subject as a neurophysiological signal; performing signal processing, feature extraction and pattern determination on the neurophysiological signal; providing a neurophysiological feedback parameter and conducting a brain region network activity; and converting a brain-area reality through a brain-computer interface to present an interactive scene and an interactive element to the subject for brain/brain-area(an Electroencephalography (EGG) brain waves and/or brain network) training. In this way, the subject's brain area training status can be known in real time and the subject can understand the state of his own brain area through visual means, so as to facilitate communication between subjects (or their family members or related persons) and professionals (such as doctors).

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025000013

(22) **Filing Date** : 03 January 2025

(30) **Priority Date** : 23 February 2024

(71) **Applicant(s)** : Microjet Technology Co., Ltd.

(72) **Inventor(s)** : Hao-Jan Mou ; Chin-Chuan Wu ; Chi-Feng Huang

(74) **Agent** : Charmayne Ong Poh Yin C/O Skrine

(54) **Title** : Indoor Air Cleaning System

(57) **Abstract** : INDOOR AIR CLEANING SYSTEM ABSTRACT OF THE DISCLOSURE An indoor air cleaning system is disclosed and includes at least one air cleaning device and a networked cloud computing service device. The air cleaning device includes a ventilation pipeline, an air cleaning component, a central control and regulation device, a communication module and a gas detection module. The air cleaning component and the gas detection module are integrated within the ventilation pipeline for detecting, locating, and circulating air pollution in indoor field, and generating air pollution data for the communication module outputting. The central control and regulation device controls the gas detection module to regulate the air cleaning component to filter the air pollution. The networked cloud computing service device receives, stores and compares the air pollution data to output a control command for the gas detection module. Consequently, a gas state of the air pollution in the indoor field reaches a clean room requirement of ZAPClean Room 1~9. FIG. 1A

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025000078

(22) **Filing Date** : 07 January 2025

(30) **Priority Date** : 07 March 2024

(71) **Applicant(s)** : Fasford Technology Co., Ltd.

(72) **Inventor(s)** : Yumeka Kubodera ; Yu Hosaka ; Fusuke Komazawa ; Mitsuo Yoda

(74) **Agent** : Oon Yen Yen C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Die Bonding Device, Setting Method Of Bond Coordinates, And Manufacturing Method Of Semiconductor Device

(57) **Abstract** : [Problem] To provide a technique capable of reducing an effort required for setting bond coordinates. [Solution] A die bonding device includes a display device displaying a bond coordinate setting screen that has: a first display window displaying an image of a substrate; a second display window displaying images of a plurality of dice; a third display window capable of inputting and outputting bond coordinates of a base die bonded to a surface of the substrate; and a fourth display window capable of inputting and outputting bond coordinates of a die bonded offset to the base die. Fig. 7

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025000081

(22) **Filing Date** : 07 January 2025

(30) **Priority Date** : 07 March 2024

(71) **Applicant(s)** : Schott Ag

(72) **Inventor(s)** : Rainer Eichholz ; Malte Grimm

(74) **Agent** : Soo Ee Lin C/O Spruson & Ferguson (M) Sdn. Bhd.

(54) **Title** : Aluminoborosilicate Glass With Excellent Visual Appearance

(57) **Abstract** : The present invention relates to an aluminoborosilicate glass with excellent visual appearance, and to a method of producing such glass. The invention also relates to the use of the glass, in particular for pharmaceutical packaging, for example pharmaceutical containers such as glass vials, glass ampoules, glass cartridges or glass syringes. (no suitable figure)

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2025000418

(22) **Filing Date** : 15 January 2025

(30) **Priority Date** : 06 March 2024

(71) **Applicant(s)** : Yang Huca Industry Co., Ltd.

(72) **Inventor(s)** : Jung-Fa Lee

(74) **Agent** : Charmayne Ong Poh Yin C/O Skrine

(54) **Title** : Nozzle Swing Mechanism For Cleaning Machine

(57) **Abstract** : ABSTRACT OF THE DISCLOSURE NOZZLE SWING MECHANISM FOR CLEANING MACHINE A nozzle swing mechanism for cleaning machine includes a machine base (1) having a cleaning area (11) and a dewatering area (12) in sequence, a conveying device (2) including a feeding portion (21) and a discharging portion (22) for conveying preset plates (5), a power device (23) and a plurality of conveying wheels (24) driven by the power device (23), a cleaning device (3) disposed in the cleaning area (11), the cleaning device (3) including a plurality of nozzles (32) located above the conveying device (2), a mounting mechanism (312) located at one side of the nozzles (32) for assembling with a transmission mechanism (34) for providing reciprocating movement, and an air knife assembly (4) for spraying a pressurized gas onto the surface of the preset plates (5) to remove the cleaning liquid attached to the preset plates (5). By reciprocating the nozzles (32), the preset plates (5) can be cleaned multiple times with fewer nozzles (32), thus saving the cost of installing more nozzles (32). (Most illustrative figure: Fig. 2)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025000819

(22) **Filing Date** : 03 February 2025

(30) **Priority Date** : 07 March 2024

(71) **Applicant(s)** : Lohas Fast Food Co., Ltd.

(72) **Inventor(s)** : Guh, Tzuu-Shin

(74) **Agent** : Ki Wan Sia C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Automatic Food Cooking Device

(57) **Abstract** : An automatic food cooking device for cooking an instant frozen meal is provided. The automatic food cooking device includes a device body, a boiler, a first heater, a second heater and a cooking module. The device body has a supporting platform for placing an instant frozen meal. The boiler stores and preheats a cooking liquid from a cooking liquid supply unit. The first heater stores the cooking liquid from the boiler, and heats the cooking liquid to a boiling state to generate a high-temperature cooking liquid. The second heater stores the cooking liquid from the boiler, and heats the cooking liquid to a steam state to generate a cooking steam. The cooking module in-puts high-temperature cooking liquid and cooking steam into quick-cooking frozen food in a predetermined ratio. Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025000963

(22) **Filing Date** : 10 February 2025

(30) **Priority Date** : 12 March 2024

(71) **Applicant(s)** : Daihatsu Motor Co., Ltd.

(72) **Inventor(s)** : Daisuke Kishi ; Shin Nakano

(74) **Agent** : Hawa Diyana Binti Saim C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Vehicle Control Device

(57) **Abstract** : A control unit (22) performs creep cut control of decreasing output torque of an MG (30) in a state where a vehicle is stopped and a brake is turned on, and performs control upon restoration of increasing the output torque of the MG (30) based on a torque value calculated in feedback control such that a vehicle speed of the vehicle coincides with a predetermined creep speed (V1) when it is determined that the brake is turned off while the output torque of the MG (30) is decreased. Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025000964

(22) **Filing Date** : 10 February 2025

(30) **Priority Date** : 12 March 2024

(71) **Applicant(s)** : Daihatsu Motor Co., Ltd.

(72) **Inventor(s)** : Daisuke Kishi ; Shin Nakano

(74) **Agent** : Hawa Diyana Binti Saim C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Vehicle Control Device

(57) **Abstract** : A control unit (22) performs creep cut control of decreasing output torque of an MG (30) in a state where a vehicle is stopped and a brake is turned on. Further, the control unit (22) performs control upon restoration of outputting from the MG (30), torque equal to or greater than guaranteed gradient equivalent torque set such that sliding-down of the vehicle does not occur on an upslope with a predetermined road surface gradient amount when it is determined that the brake is turned off based on a change rate of a brake fluid pressure while the output torque of the MG (30) is decreased. Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001022

(22) **Filing Date** : 13 February 2025

(30) **Priority Date** : 27 February 2024

(71) **Applicant(s)** : C&A Electric Co., Ltd.

(72) **Inventor(s)** : In, Ungsik ; Kim, Jungdo ; Kim, Jaehun ; In, Tae Yel

(74) **Agent** : Lim Chong Chuan C/O Lim Chong Chuan & Associates

(54) **Title** : Method Of Controlling Driving Of Fan Of Ship Cargo Hold, Device, And Recording Medium

(57) **Abstract** : According to an embodiment, there is provided a method including obtaining location-specific environment information including temperature, humidity, and carbon dioxide concentration from one or more sensors installed in the ship cargo hold as a smart drive linked to one or more VFDs operates, obtaining a maximum temperature, a maximum humidity, and a maximum carbon dioxide concentration in the ship cargo hold based on the location-specific environment information, obtaining fan operation reference information with respect to a reference temperature, a reference humidity, and a reference carbon dioxide concentration indicating a condition in which the fan of the ship cargo hold is to be operated, determining a fan operation level according to a degree to which the maximum temperature, the maximum humidity, and the maximum carbon dioxide concentration correspond to the fan operation reference information, and controlling the VFD to operate one or more fans according to the fan operation level.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001112

(22) **Filing Date** : 17 February 2025

(30) **Priority Date** : 23 February 2024

(71) **Applicant(s)** : Wiwynn Corporation

(72) **Inventor(s)** : Hsu, Chien-Yun ; Chung, Yung-Ti ; Jiang, Jheng-Ying

(74) **Agent** : Oon Yen Yen C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Electronic Device Casing, Rack Assembly And Immersion Cooling System

(57) **Abstract** : An electronic device casing includes a first plate and two second plates. The first plate includes at least one embossing structure. Times of an average moment of inertia of cross sections of the first plate in a first direction are not smaller than 1.14. The two second plates are connected to the first plate and form an accommodation space with the first plate. Figure 3

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2025001139

(22) **Filing Date** : 18 February 2025

(30) **Priority Date** : 21 February 2024

(71) **Applicant(s)** : Horiba Stec, Co., Ltd.

(72) **Inventor(s)** : Horiguchi, Hiroshi

(74) **Agent** : Lok Choon Hong

(54) **Title** : Fluid Device

(57) **Abstract** : According to the present invention, it is possible to fix a fluid resistance element to a flow path while reducing positional displacement or vibration of the fluid resistance element in the flow path. A fixing mechanism 10 that fixes a fluid resistance element 2 to an internal flow path R includes: an element holder 3 that holds the fluid resistance element 2; a holder mounting portion 4 that is formed to communicate with the internal flow path R in a flow path block B and on which the element holder 3 is mounted; and a seal member 5 interposed between the element holder 3 and the holder mounting portion 4. In a state where the seal member 5 is crushed by the element holder 3 and a surface facing the element holder 3 in the holder mounting portion 4, the element holder 3 is positioned and mounted on the holder mounting portion 4. (Most Illustrative Figure: Fig 2)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001169

(22) **Filing Date** : 20 February 2025

(30) **Priority Date** : 13 March 2024

(71) **Applicant(s)** : Horiba Stec, Co., Ltd.

(72) **Inventor(s)** : Hayashi, Daisuke ; Hamada, Chihiro

(74) **Agent** : Lok Choon Hong

(54) **Title** : Fluid Control Device, Control Unit For Fluid Control Device, Fluid Control Method, And Fluid Control Program

(57) **Abstract** : The present invention makes it possible to perform highly accurate flow rate control while also achieving a fast response. Based on a deviation between a flow rate measurement value output by a flow rate sensor and a flow rate estimation value output by a flow rate sensor model, an observer determines a model error estimation value, which is obtained by estimating a model error in the flow rate sensor model relative to the flow rate sensor, and a flow rate error estimation value, which is obtained by estimating a flow rate error caused by a change in a fluid control valve, and inputs the model error estimation value into the flow rate sensor model, and then outputs an estimation value to a feedback controller based on the flow rate error estimation value and the valve flow rate estimation value output by the valve model. (Fig 2)

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2025001177

(22) **Filing Date** : 19 February 2025

(30) **Priority Date** : 21 February 2024

(71) **Applicant(s)** : Henan Beizhu Asphalt Foaming Technology Co., Ltd.

(72) **Inventor(s)** : Qin, Fanjing ; Cui, Weisong ; Wang, Shichong ; Lu, Zedong ; Zhang, Xiangjing ; Wu, Lisuo ; Zhang, Jukun ; Li, Lingyun ; Si, Guimao ; Wei, Fangqian

(74) **Agent** : Yan Pei Chun C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Mobile Blending Apparatus For Foamed Asphalt Recycling

(57) **Abstract** : This application relates to a mobile blending apparatus for foamed asphalt recycling. The mobile blending apparatus includes a continuous batching mechanism and a material-conveying mechanism that are supported by a first trailer chassis, and a mixing and stirring mechanism, a powder metering and conveying mechanism, a foamed asphalt-producing mechanism, a water supply system, and a finished product-conveying mechanism that are supported by a second trailer chassis. The material-conveying mechanism is arranged between the mixing and stirring mechanism and the continuous batching mechanism. The material-conveying mechanism includes a horizontal material-conveying section that is arranged below the continuous batching mechanism, and an inclined material-conveying section that is arranged at an end of the horizontal material-conveying section and points to the mixing and stirring mechanism. An inclination angle of the inclined material-conveying section is adjustable. A tail end of the finished product-conveying mechanism is provided with a finished product hopper. FIG.1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001247

(22) **Filing Date** : 24 February 2025

(30) **Priority Date** : 22 February 2024

(71) **Applicant(s)** : Suss Microtec Solutions Gmbh & Co. Kg

(72) **Inventor(s)** : Sven Hansen

(74) **Agent** : Soo Ee Lin C/O Spruson & Ferguson (M) Sdn. Bhd.

(54) **Title** : A Positioning Device Having Ram Pressure Nozzles And A Method Of Aligning A Substrate

(57) **Abstract** : The invention relates to a positioning device for aligning a substrate (12) relative to a substantially flat surface (14), comprising a substrate receiving device (18) for receiving the substrate (12); at least three ram pressure nozzles (22) arranged on or around the substrate receiving device (18), each of the ram pressure nozzles (22) being oriented towards the substantially flat surface (14) and being connected to a pressure measuring device (24) for sensing the respective ram pressure thereof; at least two linear actuators (28) connected to the substrate receiving device (18) and each configured to move the substrate receiving device (18) relative to the substantially flat surface (14); and a control unit (34) which is configured and set up to preset travel paths of the linear actuators (28) as a function of the measured ram pressures. Furthermore, the invention relates to a method of aligning a substrate (12). Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001311

(22) **Filing Date** : 26 February 2025

(30) **Priority Date** : 29 February 2024

(71) **Applicant(s)** : Daihatsu Motor Co., Ltd.

(72) **Inventor(s)** : Masayoshi Watanabe ; Kan Saito ; Toshiya Tsujita ; Naohiro Nakamura ; Yasuo Kawamoto ; Hideki Ogami

(74) **Agent** : Hawa Diyana Binti Saim C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Electricity-Driven Vehicle

(57) **Abstract** : An electricity-driven vehicle (10) includes: a floor panel (16); a depressed portion (18) of a groove shape, that is formed on the floor panel (16) and that extends in a vehicle width direction; a battery casing (42) that is placed in the depressed portion (18); one or more batteries (44) of a replaceable type, that can be attached to and detached from the battery casing (42); a smoke exhaust duct (52) that extends from the battery casing (42), that penetrates through a bottom surface of the depressed portion (18), and that is opened to an outside of the vehicle (10); and a check valve (54) that is provided on the smoke exhaust duct (52), and that prohibits inflow of a fluid from the outside of the vehicle (10) into the battery casing (42). Figure 4

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001312

(22) **Filing Date** : 26 February 2025

(30) **Priority Date** : 29 February 2024

(71) **Applicant(s)** : Daihatsu Motor Co., Ltd.

(72) **Inventor(s)** : Masayoshi Watanabe ; Kan Saito ; Toshiya Tsujita ; Naohiro Nakamura ; Yasuo Kawamoto ; Hideki Ogami

(74) **Agent** : Hawa Diyana Binti Saim C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Electricity-Driven Vehicle

(57) **Abstract** : An electricity-driven vehicle (10) includes: a floor panel (16); a deck board (30); a battery loading portion (40); one or more batteries (44) of a replaceable type, that are inserted into and removed from the battery loading portion (40) from a side of the vehicle (10); a loading port (48); and a lid (50) that opens and closes the loading port(48). A marginal region (17) is present between one end of the floor panel (16) in a vehicle width direction, and the loading port (48). The deck board (30) includes: a deck board body (32); and an overhang portion (34) which extends to an outer side in the vehicle width direction in relation to the battery loading portion (40), so as to cover the marginal region (17) from above the marginal region (17). The overhang portion (34) is movable to a retracted position at which an area above the marginal region (34) is opened. Figure 4

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001313

(22) **Filing Date** : 26 February 2025

(30) **Priority Date** : 29 February 2024

(71) **Applicant(s)** : Daihatsu Motor Co., Ltd.

(72) **Inventor(s)** : Masayoshi Watanabe ; Kan Saito ; Toshiya Tsujita ; Naohiro Nakamura ; Yasuo Kawamoto ; Hideki Ogami

(74) **Agent** : Hawa Diyana Binti Saim C/O Henry Goh & Co Sdn Bhd

(54) **Title** : Electricity-Driven Vehicle

(57) **Abstract** : An electricity-driven vehicle (10) includes: a rear side door opening (14) that is opened and closed by a rear side door (12); a battery loading portion (40) that is placed at an upper side in relation to a lower end of the rear side door opening (14), and at an upper side in relation to a floor panel (16); and one or more batteries (44) of a replaceable type, that are inserted into and removed from the battery loading portion (40) from a side of the vehicle (10). The battery loading portion (40) is fitted within a width of the rear side door opening (14) in a front-and-rear direction. Figure 3

(12) **MALAYSIAN PATENT APPLICATION**

(21) **Application No.** : PI2025001383

(22) **Filing Date** : 28 February 2025

(30) **Priority Date** : 01 March 2024

(71) **Applicant(s)** : Eternal Metaverse Journey Pets Life Memorial Co., Ltd.

(72) **Inventor(s)** : Jing-Yu, Yu

(74) **Agent** : Lee Lin Li C/O Tay & Partners

(54) **Title** : Pet Reconstruction System Based On A Virtual World Infrastructure And Method For Implementing Thereof

(57) **Abstract** : The present disclosure relates to a pet reconstruction system (1) based on a virtual world infrastructure and its implementation method. The system primarily comprises a server (11) and one or more terminal devices (13). The server (11) is in data communication with a model database (111), a customization database (112), a data processing module (113), a virtual pet generation module (114), an environment generation module (115), and a real-time analysis module (116). By analyzing the features of a particular animal and comparing them with models stored in the model database (111), a virtual identity (1141) corresponding to the particular animal is generated. Finally, the real-time analysis module (116) receives at least one command, enabling the virtual identity (1141) to execute its model based on the received command. This allows real-time adjustment of the virtual pet's behavior, thereby recreating the emotional connection between the pet owner and the pet in a virtual environment (1151).

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001386

(22) **Filing Date** : 28 February 2025

(30) **Priority Date** : 14 March 2024

(71) **Applicant(s)** : Panasonic Intellectual Property Management Co., Ltd.

(72) **Inventor(s)** : Wataru Furusato ; Haruyuki Miyazaki

(74) **Agent** : Caroline Anne Francis Xavier Money C/O Ramrais & Partners

(54) **Title** : Power Controller, Power Control Method, And Air Conditioner

(57) **Abstract** : A rectifier circuit converts a first AC voltage into a DC voltage. An inverter circuit includes a plurality of switching elements, converts the DC voltage into a second AC voltage, and supplies the second AC voltage to a three-phase motor. A control circuit generates control signals for the plurality of switching elements to execute vector control of the three-phase motor by using a d-axis current, a q-axis current, a d-axis voltage, and a q-axis voltage represented in dq coordinates. The control circuit increases or decreases a lead angle indicating an orientation of the current vector including the d-axis current and the q-axis current with respect to the q-axis in accordance with the load applied to the three-phase motor, and generates the control signals based on the lead angle. The control circuit calculates a modulation factor indicating a utilization factor of the DC voltage, and prohibits the increase in the lead angle in a case where the modulation factor is less than or equal to a threshold. Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001430

(22) **Filing Date** : 04 March 2025

(30) **Priority Date** : 05 March 2024

(71) **Applicant(s)** : Bitdeer Semiconductor Technology Pte. Ltd.

(72) **Inventor(s)** : Weiguo Li ; Qiang Dai

(74) **Agent** : Chew Kherk Ying C/O Wong & Partners

(54) **Title** : Module Mounting Structure And Miner

(57) **Abstract** : The present utility model provides a module mounting structure and a miner. The module mounting structure comprises a first mounting structure disposed on an upper side surface of the first module and a second mounting structure disposed on a side surface of the second module; the first mounting structure comprises at least one slide rail comprising a connection portion and an extension portion, the extension portion being connected to the first module via the connection portion, a sliding groove being formed between the extension portion and the first module; an insertion notch is provided on the extension portion; the second mounting structure comprises at least one hook at a position corresponding to the slide rail; the hook is connected to the second module; at least a portion of the hook may extend through the insertion notch into the sliding groove; when the hook and the insertion notch are staggered in position, the hook located in the sliding groove hooks onto the extension portion. The module mounting structure and the miner according to the present utility model have advantages such as convenient and simple mounting and the saving of time and efforts. (FIG. 1)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001432

(22) **Filing Date** : 04 March 2025

(30) **Priority Date** : 08 March 2024

(71) **Applicant(s)** : Grabtaxi Holdings Pte. Ltd

(72) **Inventor(s)** : Ji Yibo ; Larry Lin Junjie

(74) **Agent** : Chew Kherk Ying C/O Wong & Partners

(54) **Title** : Method And System For Adaptively Devising Route Between Target Pickup Location And Target Destination Location

(57) **Abstract** : The present disclosure relates generally to a method and system for adaptively devising a route from target pickup location to target destination location. According to a first aspect, the present disclosure refers to a method of adaptively devising a route from a target pickup location to a target destination location, the target pickup location and target destination location indicated in a request, comprising: comparing, by a processor, a distance between the target pickup location and a pickup location indicated in a previously received request to determine if the distance is below a first threshold value; and determining, by the processor, whether or not to devise the route from the target pickup location to the target destination location in response to the comparison. [Figure 3]

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001468

(22) **Filing Date** : 05 March 2025

(30) **Priority Date** : 05 March 2024

(71) **Applicant(s)** : Schlumberger Technology B.V.

(72) **Inventor(s)** : Joel Herve Le Calvez ; Takashi Mizuno

(74) **Agent** : Soo Ee Lin C/O Spruson & Ferguson (M) Sdn. Bhd.

(54) **Title** : Full Automation Of High-Resolution Interval Velocity Estimation For Check-Shot And Other Vertical Seismic Profile- Type Datasets

(57) **Abstract** : Embodiments presented provide for a fully automated method of high-resolution interval velocity estimation for vertical seismic profile-type data. [No figure]

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001540

(22) **Filing Date** : 10 March 2025

(30) **Priority Date** : 11 March 2024

(71) **Applicant(s)** : Angel Group Co., Ltd.

(72) **Inventor(s)** : Yasushi Shigeta

(74) **Agent** : Soo Ee Lin C/O Spruson & Ferguson (M) Sdn. Bhd.

(54) **Title** : Management System

(57) **Abstract** : The controller (140) is configured to: read the RFID tags (104) using the betting area antenna (131) to obtain a first reading result for winning chips remaining after a game result has been determined on a wheel (11) and non-winning chips have been collected by a dealer, capture the winning chips using a plurality of cameras (14, 15, 16) to obtain first images, and analyze the first images using the analyzer (110) to determine a number of image-recognizable winning chips for each color for which occlusion has not occurred in any one the of the first images; and subtract the number of image-recognizable winning chips of each color from a number of winning chips for each color indicated by the first reading result to determine a number of occluded winning chips for each color having occlusion in any of the first images; and calculate a payout amount for each color based on the number of image-recognizable winning chips for each color and a payout multiplier for each of the occluded winning chips. Fig. 8

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001564

(22) **Filing Date** : 11 March 2025

(30) **Priority Date** : 11 March 2024

(71) **Applicant(s)** : Thermos L.L.C.

(72) **Inventor(s)** : Marvin Lane

(74) **Agent** : Kow Siew Ching C/O Rodyk & Davidson I.P. Services Sdn. Bhd.

(54) **Title** : Drinking Member With Vent For A Beverage Container

(57) **Abstract** : A beverage container system is described. The beverage container system includes a drinking member with a vent. The vent allows ambient air to enter the beverage container system. A valve in the vent reduces liquid leakage from the vent.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : PI2025001578

(22) **Filing Date** : 12 March 2025

(30) **Priority Date** : 15 March 2024

(71) **Applicant(s)** : Eve Energy Co., Ltd.

(72) **Inventor(s)** : Ruili Liu ; Jidong Li ; Pengyuan Song

(74) **Agent** : Charmayne Ong Poh Yin C/O Skrine

(54) **Title** : Cap Structure And Battery

(57) **Abstract** : ABSTRACT Cap structure and battery A cap structure and a battery are provided. The cap structure includes: a cap assembly and a sealing ring. The sealing ring is sleeved on the cap assembly. A first sealing part of the sealing ring includes a first outer wall, a first inner wall, a second outer wall, and a second outer wall. A distance from the first outer wall to a central axis is greater than a distance from the second outer wall to the central axis. A ratio of a distance from the second outer wall to an extension line of the first outer wall to a distance from the second inner wall to an extension line of the first inner wall is 1: (1-10). The cap assembly is partially arranged corresponding to the second inner wall.

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : UI2024001411

(22) **Filing Date** : 05 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Sbl Sin Ban Lee Hardware Sdn. Bhd.

(72) **Inventor(s)** : Nui Zhi Hao

(74) **Agent** : Chee Jenn Yang C/O Nbs Intellectual Sdn. Bhd.

(54) **Title** : A Pole Connector For A Sickle

(57) **Abstract** : The present invention provides a pole connector (100) for receiving and securing the sickle on a pole, comprising a tubular body with a slit (105) along the length of the body having a first portion (101) and a second portion (103), wherein the first portion (101) and the second portion (103) each having at least a pair of arms extending radially outwards from two sides of the slit (105). The first portion (101) is configured for securing or releasing the sickle by narrowing or widening the slit (105) using a first fastening means (110) connecting the pair of arms on the first portion (106, 107), and the second portion (103) is configured for securing or releasing the pole by narrowing or widening the slit (105) using a second fastening means (111) connecting the pair of arms on the second portion (108, 109). The most illustrative figure is Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : UI2024001433

(22) **Filing Date** : 06 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Malaysian Agricultural Research And Development Institute (Mardi)

(72) **Inventor(s)** : Wan Mohd Aznan Bin Wan Ahamad ; Anuar Bin Abdullah ; Rohazrin Bin Abdul Rani ; Khairul Idzwan Bin Ayub ; Mohd Fadly Bin Abdull Rasid

(74) **Agent** : Tee Lin Yik C/O Tee Ip Sdn Bhd

(54) **Title** : An Implement Carried By A Work Vehicle For Removing Crop Residue

(57) **Abstract** : ABSTRACT AN IMPLEMENT CARRIED BY A WORK VEHICLE FOR REMOVING CROP RESIDUE The present invention discloses an implement (100) carried by a work vehicle for removing crop residue, comprising: a main bracket (101) comprises a three-points connector (102) for mounting onto the work vehicle; characterized by: at least three L-shaped shanks (103) attached to the main bracket (101), adjustable along an x-axis to collect and carry crop residue; and multiple vertical rods (104) placed in between the L-shaped shanks (103) and both ends of the L-shaped shanks (103), attached to the main bracket (101) and adjustable along a z-axis for scrapping, collecting, and laying functions. Most illustrative diagram: Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : UI2024001480

(22) **Filing Date** : 08 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Visdynamics Research Sdn Bhd

(72) **Inventor(s)** : Jong Pit Fong ; Ng Keng Yong

(74) **Agent** : Christopher Paul Hemingway C/O Marks & Clerk (Malaysia) Sdn. Bhd.

(54) **Title** : System For Transferring One Or More Chips

(57) **Abstract** : The invention relates to a system for transferring one or more chips, comprising: a first transfer device (7) capable of rotating about a first central axis (8), the periphery of which comprises at least one first finger (9) capable of picking up one or more chips each of which has an upper face and a lower face, configured in a way such that when said first transfer device (7) rotates, said at least one first finger (9) abuts and picks up the one or more chips from a first location (3), and moves the one or more chips around the first central axis (8) to an intermediate location; an arm (12) capable of rotating about a longitudinal axis (20), the distal end of which comprises at least one projection (15) capable of picking up one or more chips, configured in a way such that when said arm (12) rotates, said at least one projection (15) abuts and picks up the one or more chips from said at least one first finger (9) at the intermediate location, and turns the one or more chips to face another direction; and a second transfer device (1) capable of rotating about a second central axis (21), the periphery of which comprises at least one second finger (2) capable of picking up one or more chips, configured in a way such that when said second transfer device (1) rotates, said at least one second finger (2) abuts and picks up the one or more chips from said at least one projection (15) at said another direction, and moves the one or more chips around the second central axis to a second location (5), such that the faces of the one or more chips are oriented at the second location (5) in the same way as that at the first location (3). (Fig. 3)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : UI2024001636

(22) **Filing Date** : 15 March 2024

(30) **Priority Date** : NONE

(71) **Applicant(s)** : Universiti Tenaga Nasional (Uniten)

(72) **Inventor(s)** : M. A. Hannan ; Glorria Sebastian ; Akmal Zaini Bt Arsad ; Muhamad Safwan Abd. Rahman ; Ker Pin Jern ; Muhamad Mansor ; Shefian Bin Md Dom ; Mohd Firdaus Bin Roslan

(74) **Agent** : Mad Isa Bin Mohamed C/O Pro Ip Sdn. Bhd.

(54) **Title** : A Power Transfer System

(57) **Abstract** : The present invention discloses a power transfer system (100), characterized in that, the system (100) comprising voltage inputs (101) comprising a preferred input (101a) and an alternate input (101b); a fuzzy logic controller (102) comprising a fuzzification component (102a) configured for generating an input fuzzy set according to input membership function based on input values provided by the voltage inputs (101), an input fuzzy set processing component (102b) configured for processing and evaluating the input fuzzy set to generate an output fuzzy set according to output membership function, and a defuzzification component (102c) configured for converting the output fuzzy set into output values; a particle swarm optimizer (103) configured for determining optimized solution based on the output values from the fuzzy logic controller (102); and a solid-state transfer switch (104) configured for connecting a load with an optimized voltage input according to the optimized solution determined by the particle swarm optimizer (103). Figure 1

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : UI2024007396

(22) **Filing Date** : 20 December 2024

(30) **Priority Date** : 27 February 2024

(71) **Applicant(s)** : Shandong Li De Fitness Co., Ltd.

(72) **Inventor(s)** : Wang, Fujian

(74) **Agent** : Ng Zi Yu C/O Intellect Patent & Innovation Sdn. Bhd.

(54) **Title** : An Adjustable Leg Training Machine

(57) **Abstract** : The present utility model proposes an adjustable leg training machine, which comprises a rack, a pedal board, a base frame, a pedal board frame and a seat. The pedal board frame comprise a linkage arm and a fixed frame, the bottom end of the base frame is hinged to the rack, the top end thereof is hinged to the front end of the linkage arm, the front end of the linkage arm is connected to a first barbell shaft, the rear end thereof is fixedly connected to the bottom end of the fixed frame and hinged to the rack, the front side of the top end of the fixed frame is connected to the pedal board, the rear side thereof is provided with a second barbell shaft, the seat is arranged on the rack through a position adjustment mechanism and an angle adjustment mechanism, and the seat is located at the front side of the base frame. The present utility model has a seat with position and backrest angle being adjustable. The seat can be adjusted according to the height, leg length and the like of the user. It is flexible to use, more ergonomic, can meet the use requirements of different users, and improve the training effect and comfort. At the same time, the present utility model is provided with a second barbell shaft for users with less strength, and the users can alleviate the deadweight problem of the pedal part by increasing or decreasing the weight of the barbell plates on the second barbell shaft. (The most illustrative Figure is FIG. 1)

(12) **MALAYSIAN PATENT APPLICATION**

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(21) **Application No.** : UI2025001487

(22) **Filing Date** : 22 February 2024

(30) **Priority Date** : 22 February 2024

(71) **Applicant(s)** : Nx Shoji (Malaysia) Sdn Bhd

(72) **Inventor(s)** : Susumu Okimoto ; Poh Liang Yong @ Kol Liang Yong

(74) **Agent** : Lok Choon Hong

(54) **Title** : A Pallet

(57) **Abstract** : This invention relates to a pallet (100) that comprises a base having a deck (110), and at least one block (120) that is attached to an underside of the deck (110); and a pair of outwardly projecting side portions (130) being attached onto top surface of the deck (110) at its opposing sides; wherein the side portions (130) are each in the shape of a trapezoid with a downwardly tapering side (131) facing externally. (The Most Illustrative Drawing: Figure 1)

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