S. No.	Title of the Patent and Copyright	Authors	Filed/ Granted / Published	National/ International
1.	System for Impact analysis of Social Media on Investment Decision Making of Retail Investors **Patent No.: 2022/13674** https://patents.google.com/patent/ZA202213674B/en?q=(murugesan+selvam)&oq=murugesan+selvam	Murugesan Selvam Gayathri Jayapal Mariappan Raja Dhamotharan Dhanasekar Sakthivel Santhoshkumar Muhammed Basid Amnas	Granted and Published in Google Patent	International (South Africa- Patent)

REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

SELVAM, Murugesan; JAYAPAL, Gayathri; RAJA, Mariappan; DHANASEKAR, Dhamotharan; SANTHOSHKUMAR, Sakthivel; AMNAS, Muhammed Basid

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/13674

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the **29th** day of **March 2023**

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MARCH 2023 **VOL 56 ● No. 03**

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The Designs Act, 1993
The Trade Marks Act, 1963
The Trade Marks Act, 1993
The Registration of Copyright in Cinematograph Films Act, 1977

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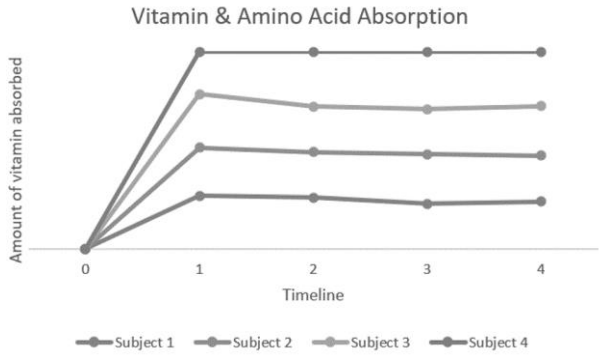
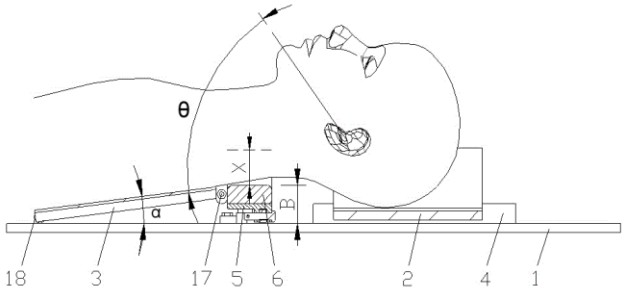
filtrate was centrifuged, aspirated PBS; DMEM/F12 medium containing 10% fetal bovine serum, antibiotics washed twice; centrifuged, aspirated medium; on ice, cells were resuspended in medium; 4) In a 24-well plate pre-coated with matrix gel Add cellular matrix gum mixture, wait for the gum to solidify, add organoid BASAL medium, and change the liquid every 2 days. The present invention aims to construct colon tumour-like organs for the study of disease mechanisms and the screening of in vitro tumour drugs and the development of new drugs.

21: 2022/13668. 22: 2022/12/19. 43: 2023/02/23
51: A61K
71: Ali Aloui, Aakash Dhiman, Dr.Abderraouf Ben Abderrahman, Baaziz Mohamed, Mahdi Aissaoui, Dr. Muzaheed, Yogesh Joshi, AMIT PAL
72: Ali Aloui, Aakash Dhiman, Dr.Abderraouf Ben Abderrahman, Baaziz Mohamed, Mahdi Aissaoui, Dr. Muzaheed, Yogesh Joshi, AMIT PAL
54: PROBIOTIC COMPOSITION FOR ATHLETES AND METHOD FOR PREPARATION THEREOF
00: -
A probiotic composition comprises of, comprising: i) saccharide A in the range of 1-5 %; ii) saccharide B in the range of 1-5 %; iii) bacteroides spp in the range of 10-15 %; iv) processed protein in the range of 70-80 %; and v) vitamin in the range of 1-5 %. A method for preparing said composition as claimed in claim 1 comprises the following steps, i) Isolating said bacteroides spp, followed by culture to obtain a bacterial coagulant; and ii) Mixing dry powders of said ingredients to obtain said probiotic composition.

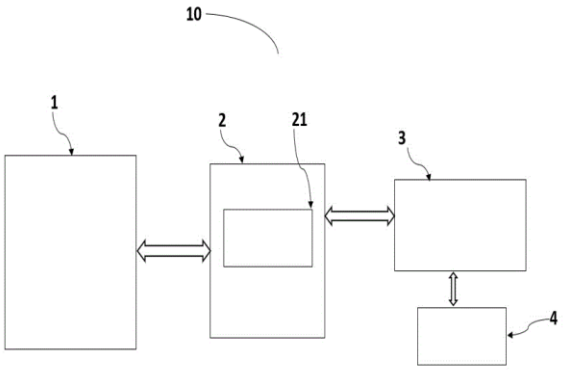


21: 2022/13673. 22: 2022/12/19. 43: 2023/02/23
51: A61G
71: The First Affiliated Hospital of Chongqing Medical University
72: Yang Xiangmei, Sun Minyue, Chen Hongmei, Luo Yan, Wu Jun, Huang Juan, Li Dongmei, Zeng Qing, Zhou Jing, Wen Jing, Guo Jinjin
33: CN 31: 202211165187.1 32: 2022-09-23
54: METHOD FOR CONTROLLING DEVICE FOR AUTOMATICALLY ADJUSTING AIRWAY OPENING BODY POSITION
00: -
A method for controlling a device for automatically adjusting an airway opening body position is provided. The device includes a horizontal base plate, a head support block, a back support plate, a neck support apparatus, a head cover assembly, and a programmable logic controller (PLC). The neck support apparatus is positioned between the head support block and the back support plate. The PLC is configured to controls a stroke of an electric cylinder according to the following equations: $\theta = 1.235\beta + \alpha$, and $\alpha = KX + B + C$, where θ is a body position angle, the body position angle is an angle between a positive projection line of a connecting line from a mandibular angle to an external acoustic meatus on a symmetrical surface of a human body and the back support plate, and θ is a preset value ranging from 90° to 100°.



21: 2022/13674. 22: 2022/12/19. 43: 2023/02/23
51: G06Q
71: SELVAM, Murugesan, JAYAPAL, Gayathri, RAJA, Mariappan, DHANASEKAR, Dhamotharan, SANTHOSHKUMAR, Sakthivel, AMNAS, Muhammed Basid
72: SELVAM, Murugesan, JAYAPAL, Gayathri, RAJA, Mariappan, DHANASEKAR, Dhamotharan, SANTHOSHKUMAR, Sakthivel, AMNAS, Muhammed Basid
54: SYSTEM FOR IMPACT ANALYSIS OF SOCIAL MEDIA ON INVESTMENT DECISION MAKING OF RETAIL INVESTORS
00: -
The present invention relates to System for impact analysis of social media on investment decision making of retail investors through a computer model using bigdata computing. The objective of the

present invention is to solve the problems in the prior art technologies related to impact analysis of social media on investment decision making of retail investors using various data and parameters.

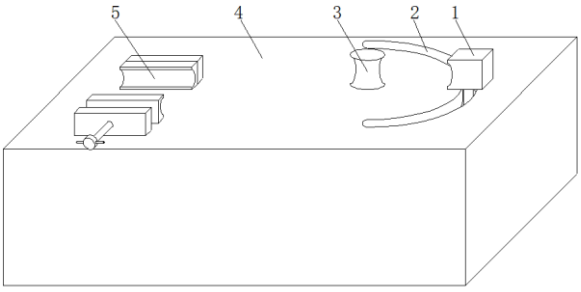


21: 2022/13675. 22: 2022/12/19. 43: 2023/03/16
51: B21D
71: Anhui Technical College Of Mechanical and Electrical Engineering
72: Kai Xu, Man Ni, Rui Jiang, Xiang Li, Dewei Wang, Dan Shi

54: A PIPE CONNECTION BENDING MECHANISM

00: -

The invention discloses a pipe connection bending mechanism, which belongs to the technical field of pipe bending, including a bottom plate. The bottom surface is arranged in the middle of the bending supporting roller, bending supporting roller is arranged on one side of the clamping component, bending supporting roller is arranged on the other side of the bending block, bending block and is located inside the bottom plate is arranged with a rotating component. The invention provides a rotating component, so that the electric motor drives the rotating disc to rotate, so that the rotating plate drives the bending block to rotate, and the bending of the pipeline is completed. The operation is simple and convenient, and the bending block is not manually rotated, which effectively saves the labor force of the workers and can make the bending angle of the pipeline more accurate. The dust-proof component is arranged in the invention, so that the dust-proof frame set at the lower end of the arc groove rotates synchronously with the rotating plate and the bending block, so that it can always play a good sheltering and protection effect on the arc groove, and avoid the pollution caused by dust entering the empty groove inside the bottom plate through the arc groove and it is difficult to clean up.



21: 2022/13676. 22: 2022/12/19. 43: 2023/03/16
51: G01B
71: Anhui Technical College Of Mechanical and Electrical Engineering
72: Kai Xu, Junjie Wu, Shaojun Yang, Yansong Tan, Xiang Li, Dewei Wang

54: A WELDED-SEAM ANGULAR DISTORTION DIGITAL DISPLAY MEASURING RULER

00: -

The invention disclose a welded-seam angular distortion digital display measuring ruler, which belongs to the technical field of measuring ruler, including a circular ruler. The circular ruler is provided with a digital display angle meter, one side of the circular ruler is provided with a slider ruler, the other side of the circular ruler is provided with a master ruler, one side of the circular ruler and the slider ruler is provided with a positioning hole. One end of the circular ruler away from the digital display angle meter is provided with a positioning clamping component; The digital display angle meter is set to display the reading without human eye recognition, so the accuracy of angle reading is improved and the quality of the equipment is guaranteed. It can improve the effect of weld angle deformation measurement, and can measure the deformation angle of more than 90 degrees, less than 180 degrees. It can ensure the applicability of the equipment, by setting the positioning clamp component, the slider ruler can be stably positioned during the measurement, and the situation of loosening can be prevented. It can ensure the use effect of the equipment, further improve the measurement accuracy, and reduce the data deviation caused by mistakenly touching.