

Application Details

APPLICATION NUMBER	201911003272
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/01/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A DEVICE FOR DETECTION OF KIDNEY FUNCTION
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	31/01/2019
PUBLICATION DATE (U/S 11A)	22/02/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911003272 A

(19) INDIA

(22) Date of filing of Application :25/01/2019

(43) Publication Date : 22/02/2019

(54) Title of the invention : A DEVICE FOR DETECTION OF KIDNEY FUNCTION

(51) International classification :A61B
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)University of Petroleum and Energy Studies

Address of Applicant :Energy Acres, Bidholi, Premnager,
Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Dr. Rupendra Kumar Pachauri

2)Dr. Jitendra Kumar Pandey

3)Dr. Abhinav Sharma

4)Mr. Abhishek Sharma

(57) Abstract :

Present invention relates to a device for detection of kidney functions. More particularly, the invention relates to a device for detection of kidney functions through a pH sensor, and transferring data through Internet of Things to a concerned authority. According to an aspect of the invention, there is provided a device for detection of kidney function, said device comprises: a urine collector for collecting urine sample; a pH sensor for sensing pH of the collected urine in the urine collector; a micro controller board;a node MCU; a power supply; a display unit; wherein the micro controller is to process and compare data from the pH sensor with a standard data, thereby generating a report; and wherein the node MCU transfers data over a cloud for transferring the report to a concerned authority.

No. of Pages : 13 No. of Claims : 8



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911005113
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/02/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	COIN-OPERATED SOLAR CHARGING MACHINE
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	09/02/2019
PUBLICATION DATE (U/S 11A)	22/02/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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[View Documents](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911005113 A

(19) INDIA

(22) Date of filing of Application :08/02/2019

(43) Publication Date : 22/02/2019

(54) Title of the invention : COIN-OPERATED SOLAR CHARGING MACHINE

(51) International classification :G07F17/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)University of Petroleum and Energy Studies

Address of Applicant :Energy Acres, Bidholi, Premnager,
Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Anchal Singh Yadav

2)Shrey Mahajan

3)Kamil Jafar

4)Basant Singh Bhaskar

5)Narendra Balkishan Soni

(57) Abstract :

A coin-operated solar charging machine to electrically charge batteries of computing units. The coin-operated solar charging machine comprises a coin acceptor unit, solar panel, power unit, charge controller, and a microcontroller unit. The coin acceptor unit is adaptable to receive coins. The solar panel absorbs the sunlight to generate electrical energy. The charge controller electrically charges the battery used in the computing unit. The charge controller is placed between the solar panel and the power unit for stabilizing the electrical energy generated by the solar panel and stores the generated electrical energy into the power unit. The microcontroller unit stores instructions pertaining to the duration and value of the coin to electrically charge the battery of the computing unit. The coin acceptor unit initiates detection signal to the microcontroller unit on receiving the coin, and the microcontroller unit actuates the charge controller to electrically charge the battery of computing unit.

No. of Pages : 17 No. of Claims : 10

Application Details

APPLICATION NUMBER	201911005534
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/02/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	APPARATUS FOR DETERMINING TIME DEPENDENT DEFORMATION AS WELL AS FRACTURE PROPAGATION OF DIFFERENT ROCK SPECIMENS AT VARIABLE TEMPERATURE AND ENVIRONMENTAL CONDITIONS
FIELD OF INVENTION	CIVIL
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	15/02/2019
PUBLICATION DATE (U/S 11A)	22/02/2019

Application Status

APPLICATION STATUS

Application Awaiting Examination

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911005534 A

(19) INDIA

(22) Date of filing of Application :12/02/2019

(43) Publication Date : 22/02/2019

(54) Title of the invention : APPARATUS FOR DETERMINING TIME DEPENDENT DEFORMATION AS WELL AS FRACTURE PROPAGATION OF DIFFERENT ROCK SPECIMENS AT VARIABLE TEMPERATURE AND ENVIRONMENTAL CONDITIONS

(51) International classification	:E21B43/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Harinandan Kumar
(87) International Publication No	: NA	2)Dr. Sunil Kumar Khare
(61) Patent of Addition to Application Number	:NA	3)Dr. Upendra Singh Yadav
Filing Date	:NA	4)Mr. Subhash Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention relates to an apparatus for determining time dependent deformation and also fracture propagation of a rock specimen at variable temperature and environmental conditions. More particularly, the invention relates to an apparatus for determining time dependent deformation and fracture propagation of a rock specimen, in real time, at variable temperature and environmental conditions. According to an embodiment of the invention, there is provided an apparatus for determining time dependent deformation and fracture propagation of a rock specimen, said apparatus comprising:a container for holding a fluid medium and enclosing a lower punching base to keep the rock specimen;an upper punching base over the rock specimen;a flat top and flat bottom plunger to apply pressure onto the upper punching base;a dual camera arrangement over respective adjustable rods, to cover the front and back view of the rock specimen.

No. of Pages : 13 No. of Claims : 0



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911009286
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/03/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYSTEM AND METHOD TO OBTAIN A PRECISE GEOGRAPHIC LOCATION
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	15/03/2019
PUBLICATION DATE (U/S 11A)	05/04/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911009286 A

(19) INDIA

(22) Date of filing of Application :11/03/2019

(43) Publication Date : 05/04/2019

(54) Title of the invention : **SYSTEM AND METHOD TO OBTAIN A PRECISE GEOGRAPHIC LOCATION**

(51) International classification :H04W64/003
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Energy Acres, Bidholi, Premnager,
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(72)Name of Inventor :

1)Narendra Balkishan Soni

2)Dr. Kamal Bansal

3)Dr. Devender K Saini

4)Mr. Ramana Manohar Reddy B

(57) Abstract :

Disclosed is a system and method to obtain a precise geographic location at any distance from defined GPS coordinate. The method comprises a global positioning system (GPS) server that comprises a plurality of executable instructions stored on a non-transitory computer-readable medium and operatively coupled to a network, which, when executed by a processor of the GPS server, cause the server to perform a step of computing a great-circle distance between at least two GPS coordinates on a sphere through a computation module configured with a mobile GPS device, wherein the GPS coordinates comprise longitudes and latitudes.

No. of Pages : 23 No. of Claims : 5



Application Details

APPLICATION NUMBER	201911011348
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/03/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A BIOMASS STOVE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	23/03/2019
PUBLICATION DATE (U/S 11A)	05/04/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911011348 A

(19) INDIA

(22) Date of filing of Application :23/03/2019

(43) Publication Date : 05/04/2019

(54) Title of the invention : **A BIOMASS STOVE**

(51) International classification :F24B7/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)University of Petroleum and Energy Studies

Address of Applicant :Energy Acres, Bidholi, Premnager,
Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Mr. Ravi Kumar Patel

2)Dr. Nishant Kumar Singh

3)Mr. Yashvir Singh

4)Mr. Amneesh Singla

5)Dr. Jitendra Kumar Pandey

(57) Abstract :

The invention relates to a biomass stove which has better efficiency for fuel burning with minimum exhausts. The biomass stove comprises of an outer casing covering the essential components of the stove. A series of air passages are present at periphery of the bottom of the outer casing. Within the casing is present, a substantially cylindrical combustion chamber, with a grit for keeping the fuel;a flame concentrating chamber of smaller diameter that of the combustion chamber for concentrating the flame from the combustion chamber upwards, a spiral casing above the flame concentrator wherein outermost shell of the spiral casing fits on walls of the outer casing, and vented to the chimney this improve exhaust characteristics of stove and a feed channel directs the fuel from the outside of the outer casing to the grit.

No. of Pages : 18 No. of Claims : 7



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911010347
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/03/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	ALTERABLE AND EFFECTUAL MICROCHANNEL RAPID PROTOTYPING FOR REMOVAL OF TOXIC IONS FROM WATER THROUGH ADSORPTION ONTO NANO-ADSORBENT
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	17/03/2019
PUBLICATION DATE (U/S 11A)	05/04/2019

Application Status

APPLICATION STATUS

Application Awaiting Examination

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911010347 A

(19) INDIA

(22) Date of filing of Application :17/03/2019

(43) Publication Date : 05/04/2019

(54) Title of the invention : ALTERABLE AND EFFECTUAL MICROCHANNEL RAPID PROTOTYPING FOR REMOVAL OF TOXIC IONS FROM WATER THROUGH ADSORPTION ONTO NANO-ADSORBENT

(51) International classification	:B22F5/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Ravi Kumar Patel
(87) International Publication No	:NA	2)Dr. Jitendra Kumar Pandey
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a water filtration device comprising a water inlet; a filtration unit comprising of vertical microchannels; a water outlet; wherein the water enters the unit through a water inlet, passes through spiraled microchannels having metal oxide particles embedded within the microchannels and passes out through the water outlet. The invention provides an economic and efficient approach to clean potable water. Furthermore, the device is portable, does not need any form of power and is convenient to use.

No. of Pages : 13 No. of Claims : 8



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911014163
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/04/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A SOLAR ASSISTED PYROLYSIS CAVITY REACTOR
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	09/04/2019
PUBLICATION DATE (U/S 11A)	10/05/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911014163 A

(19) INDIA

(22) Date of filing of Application :08/04/2019

(43) Publication Date : 10/05/2019

(54) Title of the invention : A SOLAR ASSISTED PYROLYSIS CAVITY REACTOR

(51) International classification	:F27B7/162	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Suresh Kumar
(87) International Publication No	: NA	2)Dr. Venkateswarlu Chintala
(61) Patent of Addition to Application Number	:NA	3)Dr. Jitendra K Pandey
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a solar assisted cavity reactor. The reactor is a circular fixed bed type with the maximum feedstock capacity of 15 kg/batch. The invention works on the concept that when the solar radiation was focused on to the reactor, temperature of the reactor surface increased drastically by absorbing heat energy due to concentrated solar radiation falling on the surface. The heat energy transferred from the reactor surface to the biomass through conduction heat transfer mechanism and correspondingly the biomass temperature increased significantly. The developed reactor is flexible in such a way that different kinds of carbonaceous feedstocks including biomass and sewage sludge could be feed into it for bio-oil production. According to an embodiment of the invention, Jatropha biomass was used for the bio-oil production.

No. of Pages : 11 No. of Claims : 4

Application Details

APPLICATION NUMBER	201911018895
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/05/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A TWIN CYCLE ENGINE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	11/05/2019
PUBLICATION DATE (U/S 11A)	24/05/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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[View Documents](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911018895 A

(19) INDIA

(22) Date of filing of Application :11/05/2019

(43) Publication Date : 24/05/2019

(54) Title of the invention : A TWIN CYCLE ENGINE

(51) International classification	:F02B2075/025	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Venkateswarlu Chintala
(87) International Publication No	: NA	2)Mr. Ishan Deopa
(61) Patent of Addition to Application Number	:NA	3)Mr. Harnoor Sidhu
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a vehicle technology that can effectively help to switch between high power and efficiency modes whenever required. A twin cycle engine 100 is proposed with multimode 4 stroke/2 stroke internal combustion engine, which comprises a 4-stroke engine block comprising a piston 10 which moves within a combustion chamber 21. An inlet port 23 for sucking in air-fuel mixture into the combustion chamber 21 and an outlet port 24 to expel spent air fuel mixture from the combustion chamber 21. In internal combustion engine with piston 10, an outlet camshaft 2 which leads to outlet port 32 through valves 18 and an inlet cam shaft 3 to lead to outlet port 31 through valves

No. of Pages : 16 No. of Claims : 7

Application Details

APPLICATION NUMBER	201911009132
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/03/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A VEHICLE TRANSMISSION SYSTEM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	08/03/2019
PUBLICATION DATE (U/S 11A)	29/03/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911009132 A

(19) INDIA

(22) Date of filing of Application :08/03/2019

(43) Publication Date : 29/03/2019

(54) Title of the invention : A VEHICLE TRANSMISSION SYSTEM

(51) International classification	:B62K5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Shyam Pandey
(87) International Publication No	: NA	2)Mr. Narayan Khatri
(61) Patent of Addition to Application Number	:NA	3)Dr. Girish Chandran V
Filing Date	:NA	4)Mr. Mohit Khatri
(62) Divisional to Application Number	:NA	5)Mr. Chirag
Filing Date	:NA	6)Mr. Jayesh Vyas
		7)Mr. Chandan Kumar

(57) Abstract :

Present invention relates to a vehicle transmission system which can utilize torque generated while moving the vehicle downhill, to convert into electrical energy. More particularly, the invention relates to develop a mechanical transmission system in four wheelers to store generated electrical energy into battery. According to an aspect of the invention, there is provided a vehicle transmission system to convert kinetic energy to electrical energy while braking, said system comprises: a chain sprocket with axle hub fitted onto a drive shaft, an alternator having a stator coil and a rotor coil;a pulley arranged on the drive shaft connected to the rotor coil through a belt, so as to drive the alternator using rotational energy of the rear wheel;a sensor to sense so as to notify the alternator to provide resistance to rear axle; wherein on braking, the rear wheel slows down so as to move the rotor clockwise, to produce a resultant magnetic field sweeps clockwise through an outer coil of wire of the rotor, and electricity is generated in the stator coil, which is saved in a rechargeable battery.

No. of Pages : 15 No. of Claims : 5



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911016130
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/04/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A HYDRAULIC BENDING MACHINE FOR BENDING OF A WORKPIECE
FIELD OF INVENTION	METALLURGY
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	25/04/2019
PUBLICATION DATE (U/S 11A)	24/05/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911016130 A

(19) INDIA

(22) Date of filing of Application :24/04/2019

(43) Publication Date : 24/05/2019

(54) Title of the invention : A HYDRAULIC BENDING MACHINE FOR BENDING OF A WORKPIECE

(51) International classification	:B21D7/066	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnagar,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Ravinder Singh
(87) International Publication No	: NA	2)Rohan Bakshi
(61) Patent of Addition to Application Number	:NA	3)Kunal Hayaran
Filing Date	:NA	4)Ramandeep Singh
(62) Divisional to Application Number	:NA	5)Dr. Jitendra Yadav
Filing Date	:NA	6)Dr. Ajay Kumar Srivastava

(57) Abstract :

The invention relates to a device for bending of a workpiece, conveniently and more economically. The device comprises of a cylindrical rollers arranged in a triangular manner in between supporting columns at both ends of the cylindrical rollers. The cylindrical rollers have spaced grooves which allows bending of workpiece in shape of a rod. A piston-cylinder hydraulic driving means is placed in between each of the supporting columns. The rotation of cylindrical rollers is governed by means of a gear arrangement at end of the rollers. One of the cylindrical roller is further connected to a flywheel.

No. of Pages : 14 No. of Claims : 9



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911020675
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/05/2019
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	WIND TURBINE BLADE OF A WIND TURBINE WITH DUAL ENERGY HARVESTING
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	27/05/2019
PUBLICATION DATE (U/S 11A)	07/06/2019

Application Status

APPLICATION STATUS	Application Awaiting Examination
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Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911020675 A

(19) INDIA

(22) Date of filing of Application :24/05/2019

(43) Publication Date : 07/06/2019

(54) Title of the invention : WIND TURBINE BLADE OF A WIND TURBINE WITH DUAL ENERGY HARVESTING

(51) International classification

:F03D3/005

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

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(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Nikhil Raj

2)Balaji Venkateswaran V

3)Surajit Mondal

4)Dr. Jitendra Kumar Pandey

(57) Abstract :

The present invention relates to a wind turbine blade (1) of a wind turbine for dual energy harvesting to attain increased electricity. The wind turbine blade (1) comprises a cavity (2), a coil (3), a first magnet (4), at least two second magnets (5a, 5b) and a power excitation means for extracting energy harvested. The integration of the power extraction means (6) with the wind turbine blade (1) does not alter the aerodynamic of the wind turbine system. The wind turbine blade (1) with dual energy harvesting employs the periodic motion to produce the additional power other than the generator output of the regular wind turbine (Figure: 1).

No. of Pages : 20 No. of Claims : 10

Application Details

APPLICATION NUMBER	201711027035
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/07/2017
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	CONCENTRATED TETRAHEDRON PHOTOVOLTAIC SYSTEM
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	06/08/2017
PUBLICATION DATE (U/S 11A)	01/02/2019
FIRST EXAMINATION REPORT DATE	09/12/2019

Application Status

APPLICATION STATUS

Application Examined (Fer Issued)

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711027035 A

(19) INDIA

(22) Date of filing of Application :29/07/2017

(43) Publication Date : 01/02/2019

(54) Title of the invention : **CONCENTRATED TETRAHEDRON PHOTOVOLTAIC SYSTEM**

(51) International classification	:H01L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Shivank Omar
(87) International Publication No	: NA	2)Santosh Dubey
(61) Patent of Addition to Application Number	:NA	3)Ramana Manohar Reddy B
Filing Date	:NA	4)Nishant Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a concentrated photovoltaic system comprising: three triangular photovoltaic panels in a tetrahedron configuration; wherein photovoltaic panels are mounted on an upper base of a solid base; a mechanical gear system underneath the upper base of the solid base for rotating said triangular photovoltaic panels; a reflector placed on said solid base; and a battery which is connected with said three triangular photovoltaic panels via a charge controller. The novel concentrated PV system design has been proposed which consists of three conventional solar panels stacked in a tetrahedron configuration. This design is able to reduce the space requirement significantly. It is also able to avoid shadowing effect with the help of a reflector of a particular dimension and geometry; the reflector is placed on that side of the panel where the intensity of light is less than other two sides. Compared to the conventional PV design, the proposed design is destined to increase the total power production per unit area and also reduce the accumulation of dust and snow. The proposed design has a mechanism to rotate the structure when the overall efficiency decreases due to mismatch condition, which may arise due to the fact that some panels may be in the shadow region. Overall, the design proposed above is expected to increase the efficiency, average power density as well as the life of the PV modules.

No. of Pages : 31 No. of Claims : 7



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811037611
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/10/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	MICRO-LATTICE CRASHBOX
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	10/10/2018
PUBLICATION DATE (U/S 11A)	19/10/2018

Application Status

APPLICATION STATUS	Application Awaiting Examination
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[View Documents](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811037611 A

(19) INDIA

(22) Date of filing of Application :04/10/2018

(43) Publication Date : 19/10/2018

(54) Title of the invention : MICRO-LATTICE CRASHBOX

(51) International classification :B60R19/34
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)University of Petroleum and Energy Studies

Address of Applicant :Energy Acres, Bidholi, Premnager,
Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Mahish Guru

2)Raghav Pathak

3)Dr. Pasupuleti Subrahmanya Ranjit

(57) Abstract :

The present invention discloses an improved light weight impact attenuating Crashbox system for impact energy absorption during the event of a crash, said Crashbox system comprises:a plurality of micro-lattice Crashbox; an automobile with a bumper and chassis side rail; wherein said micro-lattice Crashbox is confined between said bumper and the chassis side rail of said automobile.a plurality of micro-lattice Crashbox; wherein said micro-lattice Crashbox is made by sandwich the micro-lattice cellular structure using buffer panel on both sides. The micro-lattice is light weight and made up of nickel or nickel-phosphorous alloy. It can be either one or two in an automobile and capable to absorb high impact during the event of crash. The system is high impact absorbing during the event of crash.

No. of Pages : 27 No. of Claims : 6

Application Details

APPLICATION NUMBER	201811038118
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/10/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	WALKING AID FOR UNEVEN SURFACE DETECTION AND OBSTACLE AVOIDANCE FOR VISUALLY IMPAIRED PERSON
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	10/10/2018
PUBLICATION DATE (U/S 11A)	26/10/2018

Application Status

APPLICATION STATUS

Application Awaiting Examination

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/10/2018

(21) Application No.201811038118 A

(43) Publication Date : 26/10/2018

(54) Title of the invention : **WALKING AID FOR UNEVEN SURFACE DETECTION AND OBSTACLE AVOIDANCE FOR VISUALLY IMPAIRED PERSON**

(51) International classification	:A61H3/061	(71)Name of Applicant :	1)University of Petroleum and Energy Studies
(31) Priority Document No	:NA	Address of Applicant :	Energy Acres, Bidholi, Premnager,
(32) Priority Date	:NA		Dehradun, Uttarakhand, India-248007 Uttarakhand India
(33) Name of priority country	:NA	(72)Name of Inventor :	
(86) International Application No	:NA	1)Bhupendra Singh	
Filing Date	:NA	2)Monit Kapoor	
(87) International Publication No	:NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

A walking aid for a visually impaired person comprises an elongated unit, six ultrasonic transducers, two timers, and five vibration motors. The elongated unit is having a top end, a middle portion, and bottom end. Two ultrasonic transducers transmit and receive an ultrasonic pulse on detection of an uneven surface. The timers are independently measuring a time duration between the transmission of the ultrasonic pulse and receiving of the ultrasonic pulse. The first timer and the second timer initiate a notification signal on determining a difference in the measured time duration to indicate the uneven surface. The other four ultrasonic transducers transmit and receive the ultrasonic pulse to detect an obstacle and transmits a measured distance of the detected obstacle. The first five vibration motors receive the measured distance, and a vibration signal is initiated by the vibration motor that receives a shortest measured distance.

No. of Pages : 30 No. of Claims : 5



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811038948
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/10/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	GAS LEAKAGE ALARM SYSTEM AND METHOD THEREOF
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	14/10/2018
PUBLICATION DATE (U/S 11A)	26/10/2018

Application Status

APPLICATION STATUS

Application Awaiting Examination

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/10/2018

(21) Application No.201811038948 A

(43) Publication Date : 26/10/2018

(54) Title of the invention : **GAS LEAKAGE ALARM SYSTEM AND METHOD THEREOF**

(51) International classification	:G08B21/16	(71)Name of Applicant :	1)University of Petroleum and Energy Studies
(31) Priority Document No	:NA	Address of Applicant :	Energy Acres, Bidholi, Premnager,
(32) Priority Date	:NA		Dehradun, Uttarakhand, India-248007 Uttarakhand India
(33) Name of priority country	:NA	(72)Name of Inventor :	1)Amit Verma
(86) International Application No	:NA		
Filing Date	:NA		
(87) International Publication No	: NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

Disclosed is a gas monitoring system for detecting leakage of gas. The gas monitoring system comprises a metal strip, a bimetal strip, and a buzzer unit. The metal strip generates heat upon detecting the gas knob is in an ON state, and consequently, the flame is generated from a burner of the gas stove. The bimetal strip connected with the metal strip expands upon detection of the heat generated from the metal strip. The buzzer unit initiates a notification signal on detection of the ON state of the gas knob and non-expansion of the bimetal strip.

No. of Pages : 19 No. of Claims : 4

Application Details

APPLICATION NUMBER	201811039471
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/10/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYSTEM INTEGRATED WITH TWO-WHEELER VEHICLE FOR GENERATING NOTIFICATION SIGNAL ON DETECTING OBJECT IN SEAT STORAGE
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	18/10/2018
PUBLICATION DATE (U/S 11A)	26/10/2018

Application Status

APPLICATION STATUS	Application Awaiting Examination
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[View Documents](#)

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/10/2018

(21) Application No.201811039471 A

(43) Publication Date : 26/10/2018

(54) Title of the invention : SYSTEM INTEGRATED WITH TWO-WHEELER VEHICLE FOR GENERATING NOTIFICATION SIGNAL ON DETECTING OBJECT IN SEAT STORAGE

(51) International classification :G08B21/22
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)University of Petroleum and Energy Studies

Address of Applicant :Energy Acres, Bidholi, Premnager,
Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Amit Verma

(57) Abstract :

A system integrated with a two-wheeler vehicle for generating a notification signal. The system comprises an electrical housing which includes a metal strip, a non-metallic hook, a microcontroller unit, a second metal strip, and a buzzer unit. The electrical housing establishes electrical communication between an ignition lock, a seat and seat storage. The metal strip is disposed in the seat storage to detect pressure caused by an object. The metal strip completes the electrical communication on detecting pressure by the object. The non-metallic hook is connected with the seat to detect pressure caused by a driver on the seat. The microcontroller unit stores a plurality of instructions pertaining to the generation of the notification signal. The microcontroller unit is configured with the metal strip, the non-metallic hook and ignition lock to execute the instructions based on the detection of the pressure caused by the object and the driver. The microcontroller unit initiates a command pertaining to the generation of the notification signal. The second metal strip is configured with the microcontroller unit to receive the command pertaining to the notification signal to initiate at least two operation instructions based on the received command. The two operation instructions comprise a start operation and a stop operation. The buzzer unit is configured with the micro-controller to generate the notification signal upon receiving the start operation instruction from the micro-controller.

No. of Pages : 16 No. of Claims : 5

Application Details

APPLICATION NUMBER	201811039950
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/10/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	A ROBOTIC SYSTEM FOR IN-PIPE INSPECTION
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	31/10/2018
PUBLICATION DATE (U/S 11A)	16/11/2018

Application Status

APPLICATION STATUS

Application Awaiting Examination

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/10/2018

(21) Application No.201811039950 A

(43) Publication Date : 16/11/2018

(54) Title of the invention : A ROBOTIC SYSTEM FOR IN-PIPE INSPECTION

(51) International classification	:F16L55/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Varnita Verma
(87) International Publication No	: NA	2)Rohit Samkaria
(61) Patent of Addition to Application Number	:NA	3)Dr. Sushabhan Choudhury
Filing Date	:NA	4)Mr. Roushan Kumar
(62) Divisional to Application Number	:NA	5)Dr. Mukul Kumar Gupta
Filing Date	:NA	

(57) Abstract :

The present invention relates to wireless robotic system to clean and inspection of narrow, deep and hazardous environment inside the Pipeline by using Local Server and Cloud Server (Internet of Things) based Wireless Robot. More specifically the invention describes a system level method to in-pipe inspection by using Robot. The invention discloses a system wherein the Robot is powered up the ESP Module search for the SSID and Password of the sever and it get the defines SSID and Password then the robot get connected with the Local Server or Cloud Server i.e. router used to communicate with the Robot having the internet accessibility then robot can communicate with the cloud server. Now once it connected with the server NodeMCU communicate with sever through a Local IP. This IP should be known for communicating with the Mobil App so to know the IP NodeMCU need to connect with serial terminal of the Computer where we finds the local IP. Now in the Mobile app this Local IP need to be configured and once it get configured, it communicates with the robot through local server.

No. of Pages : 15 No. of Claims : 10

Application Details

APPLICATION NUMBER	201811021240
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/06/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYSTEM FOR INITIATING NOTIFICATION SIGNAL FOR FAILURE TO DRAW OUT A KEY FROM IGNITION OR SEAT LOCK
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	10/07/2018
PUBLICATION DATE (U/S 11A)	13/07/2018

Application Status

APPLICATION STATUS

Application Awaiting Examination

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/06/2018

(21) Application No.201811021240 A

(43) Publication Date : 13/07/2018

(54) Title of the invention : SYSTEM FOR INITIATING NOTIFICATION SIGNAL FOR FAILURE TO DRAW OUT A KEY FROM IGNITION OR SEAT LOCK

(51) International classification	:B60R25/04	(71)Name of Applicant :	1)University of Petroleum and Energy Studies
(31) Priority Document No	:NA		Address of Applicant :Energy Acres, Bidholi, Premnager,
(32) Priority Date	:NA		Dehradun, Uttarakhand, India-248007 Uttarakhand India
(33) Name of priority country	:NA	(72)Name of Inventor :	1)Amit Verma
(86) International Application No	:NA		
Filing Date	:NA		
(87) International Publication No	: NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

A system for initiating a notification signal for failure to draw out a key from ignition lock, or seat lock. The system comprises a metal hook attached to the seat to detect pressure from a physical presence of a driver on the seat. The first flexible metal strip interrupts an electrical flow on detecting pressure from a physical presence of a driver on the seat. In response to the detection of the absence of pressure on the seat and presence of the key in the ignition lock or seat lock, electrical current flows from at least one of the first coil, and the second coil to generate a magnetic field and the second flexible metal strip establishes an electrical communication between the key and at least one of the first coil and the second coil. Then the notification unit receives an electrical signal from the second flexible metal strip to initiate a notification signal to alert the driver.

No. of Pages : 18 No. of Claims : 2



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811028023
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/07/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYSTEM AND METHOD FOR MODELLING AND QUANTIFYING OPERATIONAL RISK CORRESPONDING TO AN EVENT
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	26/07/2018
PUBLICATION DATE (U/S 11A)	10/08/2018

Application Status

APPLICATION STATUS

Application Awaiting Examination

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2018

(21) Application No.201811028023 A

(43) Publication Date : 10/08/2018

(54) Title of the invention : SYSTEM AND METHOD FOR MODELLING AND QUANTIFYING OPERATIONAL RISK CORRESPONDING TO AN EVENT

(51) International classification	:G06Q40/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Ignatius Prashanth
(87) International Publication No	:NA	2)2. Prof. Raju Ganesh Sunder
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a system and method for modeling and quantifying operational risk corresponding to an event. The method comprises the step of representing safety barriers by a predefined diagram through a representation module. Then the method includes the step of transforming and re-constructing the predefined diagram through a probabilistic graphical module. The method models the plurality of safety barriers in the probabilistic graphical module through a plurality of commonly occurring nodes module. The method then computes a barrier score for each of the plurality of safety barriers and feeds the barrier scores into the probabilistic graphical module through a computation module. Then the method evaluates a threat barrier score and consequence barrier score based on the entered individual barrier score for each safety barrier through an evaluation module. The method then correlates the threat barrier score and the consequence barrier score with a risk matrix through a correlation module. The method computes a frequency score and a consequence score of the event to obtain a quantified value of the operational risk corresponding to the event through a quantification module.

No. of Pages : 24 No. of Claims : 10



Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811029017
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/08/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYSTEM AND METHOD TO PROVIDE AN INTEGRATED ENGINEERING DESIGN MANAGEMENT MODEL FOR PERPETUAL COMPETITIVE ADVANTAGE
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	12/08/2018
PUBLICATION DATE (U/S 11A)	17/08/2018

Application Status

APPLICATION STATUS

Application Awaiting Examination

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2018

(21) Application No.201811029017 A

(43) Publication Date : 17/08/2018

(54) Title of the invention : SYSTEM AND METHOD TO PROVIDE AN INTEGRATED ENGINEERING DESIGN MANAGEMENT MODEL FOR PERPETUAL COMPETITIVE ADVANTAGE

(51) International classification	:G06F11/27	(71)Name of Applicant :
(31) Priority Document No	:NA	1)University of Petroleum and Energy Studies
(32) Priority Date	:NA	Address of Applicant :Energy Acres, Bidholi, Premnager,
(33) Name of priority country	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Debarun Dutta
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method to provide an integrated engineering design management model (EDM). The method documents checks for technical decisions pertaining to an aesthetic, functionality, buildability, and economics through an objectivity-ensurer (O-E) module. Then the method documents checks for technical decisions pertaining to negative uncertainty and positive uncertainty through an uncertainty-positiviser (U-P) module. The method documents checks for completing design sides pertaining to joint review of a design and periodical audit of the design through an interdisciplinary-optimizer (I-O) module. The method documents checks for completing a plurality of design sides pertaining to knowledge transfer through a transknowledge-balancer (T-B) module. The method documents checks for completing design sides pertaining to the identification of conflicts, technical disagreements, bidirectional communications, and understanding of a plurality of parameters related to an organization through a multi-integrative-communicator (M-C) module. The method documents checks for design sides pertaining to an analysis of innovative ideas, an evaluation of users from a perspective of innovative thinking through an innovation-integrator (I-I) module. The method documents checks for design sides pertaining to the identification of one or more non-value adding activities and an elimination of the identified non-value added activities through a rework-minimizer (R-M) module. The method documents checks for design sides pertaining to an assessment of coordination among a resources, assessment of integration of historical learning, periodical monitoring of performance of the resources to provide feedback, an identification of performance to provide reward to the resource, and an identification of non-performance to unrewarding the resource through a professionaldeveloper (P-D) module.

No. of Pages : 30 No. of Claims : 9

Application Details

APPLICATION NUMBER	201811030215
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/08/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYSTEM FOR AUTOMATIC OPENING/CLOSING OF SEAT OF TWO-WHEELER VEHICLE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	12/08/2018
PUBLICATION DATE (U/S 11A)	07/09/2018

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811030215 A

(19) INDIA

(22) Date of filing of Application :10/08/2018

(43) Publication Date : 07/09/2018

(54) Title of the invention : **SYSTEM FOR AUTOMATIC OPENING/CLOSING OF SEAT OF TWO-WHEELER VEHICLE**

(51) International classification :F16D65/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)University of Petroleum and Energy Studies

Address of Applicant :Energy Acres, Bidholi, Premnager,
Dehradun, Uttarakhand, India-248007 Uttarakhand India

(72)Name of Inventor :

1)Amit Verma

2)Dr. Manish Prateek

(57) Abstract :

Disclosed is a system for automatically opening and closing of a seat of a two-wheeler vehicle. The system includes an electrical housing to establish electrical communication with the seat lock and a key. The electrical housing comprises an alternating current (AC) source unit, a circuitry of the common emitter, a demultiplexer, a first solenoid; a second solenoid; and a multiplexer. The alternating current (AC) source unit generates an AC power on detecting an insertion of the key. The circuitry of common emitter changes a polarity of an input $\sim I^{TM}$. The demultiplexer transforms an input $\sim I^{TM}$ to an output Y1 upon detecting a clockwise rotary motion through the key. The rotary motion of the key enables a select line and provide a binary value $\sim one^{TM}$ to the select line. The multiplexer connected with the select line to allow the input $\sim I^{TM}$ to flow in the first solenoid so that the polarity of the first solenoid is same as of the second solenoid to induce an electromotive force (EMF). The induced electromotive force (EMF) produces a repulsive force between the first solenoid and the second solenoid to unlock and open the seat lock of the two-wheeler vehicle without any manual efforts.

No. of Pages : 19 No. of Claims : 4