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Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201611039333
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/11/2016
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	PATIENT HEALTH MONITORING AND TRACKING SYSTEM
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	NA

REQUEST FOR EXAMINATION DATE	02/12/2016
PUBLICATION DATE (U/S 11A)	25/05/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/11/2016

(21) Application No.201611039333 A

(43) Publication Date : 25/05/2018

(54) Title of the invention : PATIENT HEALTH MONITORING AND TRACKING SYSTEM

(51) International classification :G06F19/00
(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 :
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2)Vivek Kaundal
3)Abhishek Sharma
4)Amit Kumar Mondal
5)Ravi Kumar Patel
6)Vindhya Devalla
7)Jitendra Kumar Pandey
8)Vinay Chowdary

(57) Abstract :
Present invention relates to a patient health monitoring and tracking system, said system comprising a patient unit, for transmitting information about a patient™s health parameters to a data receiving unit, for sending the data to a central unit, and for saving the data for use by patient or a health personnel. The patient unit tracks position of the patient with a RFID tag.

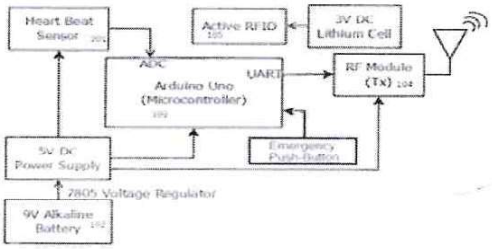

Figure 1

No. of Pages : 12 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201611036495
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/10/2016
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	DEVICE TO HELP THE OLD, DEAF AND BLIND PEOPLE TO OPERATE THE DOOR AT HOME
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	26/10/2016
PUBLICATION DATE (U/S 11A)	27/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

View Documents

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2016

(21) Application No.201611036495 A

(43) Publication Date : 27/04/2018

(54) Title of the invention : DEVICE TO HELP THE OLD, DEAF AND BLIND PEOPLE TO OPERATE THE DOOR AT HOME

(51) International classification	:B65D21/08
(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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(72)**Name of Inventor :**
1)Eesh Mehandiratta
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3)Rohit Samkaria
4)Rajesh Singh
5)Anita
6)Sushabhan Choudhury

(57) Abstract :
Present invention relates a device to help physically impaired people for automatic operation of door. More particularly, the invention relates to an Arduino based system, that allows interaction of the user with the guest at the door. Furthermore, the device is also connected to a Wi-Fi modem to send the guest information on cloud so that the person away from home can also assure the security of the house.

No. of Pages : 12 No. of Claims : 8

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Application Details

APPLICATION NUMBER	201611038340
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/11/2016
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	A SYSTEM FOR MONITORING VEHICLE-DRIVING
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	02/12/2016
PUBLICATION DATE (U/S 11A)	11/05/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

View Documents

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2016

(21) Application No.201611038340 A

(43) Publication Date : 11/05/2018

(54) Title of the invention : A SYSTEM FOR MONITORING VEHICLE-DRIVING

(51) International classification :F02M35/10
(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

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4)Vinay Chowdary
5)Vivek Kaundal
6)Mukul Kumar Gupta
7)Manish Prateek
8)Paawan Sharma

(57) Abstract :
A vehicle driving monitoring system for a vehicle comprising a main controlling unit (MCU) is provided. The MCU includes a accelerometer sensor that measures acceleration along x-axis and y-axis; a gyrometer sensor that measures orientation with respect to a ground; a microcontroller that receives input from the accelerometer sensor and the gyrometer sensor and determines an instance or event of driving; and a communication module that communicates the instance or event of driving to a remote or external server or a cloud with access to a law enforcement agency.

No. of Pages : 11 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201611036646
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/10/2016
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	POWERLESS FLUORESCENT BULB
FIELD OF INVENTION	PHYSICS
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E-MAIL (UPDATED Online)	
PRIORITY DATE	NA

REQUEST FOR EXAMINATION DATE	03/11/2016
PUBLICATION DATE (U/S 11A)	27/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

View Documents

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/10/2016

(21) Application No.201611036646 A
(43) Publication Date : 27/04/2018

(54) Title of the invention : POWERLESS FLUORESCENT BULB

(51) International classification	:H05B33/08	(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)Nikhil Raj
(87) International Publication No	: NA	2)Rajesh Singh
(61) Patent of Addition to Application Number	:NA	3)Jitendra Kumar Pandey
Filing Date	:NA	4)Surajit Mondal
(62) Divisional to Application Number	:NA	5)Anita
Filing Date	:NA	

(57) Abstract :
Present invention relates to a wireless power distribution area network for lighting of fluorescent lamps. More particularly, the present invention relates to illumination of fluorescent light source without being connected through main electric source. There is provided a wireless system for illumination of fluorescent lamps, said system comprises:a remote control; and a relay unit comprising of a battery;fluorescent lamps; and a coil unit, wherein the coil unit creates a magnetic field around the fluorescent lamps, illuminating the lamp.

No. of Pages : 12 No. of Claims : 8

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Application Details

APPLICATION NUMBER	201611036514
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/10/2016
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	WPAN AND IOT BASED EROSION DETECTION FOR HYDRAULIC STRUCTURE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	26/10/2016
PUBLICATION DATE (U/S 11A)	27/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2016

(21) Application No.201611036514 A

(43) Publication Date : 27/04/2018

(54) Title of the invention : WPAN AND IOT BASED EROSION DETECTION FOR HYDRAULIC STRUCTURE

(51) International classification :F01P5/10
(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

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3)Vikas Garg
4)Rajesh Singh
5)Anita
6)Rakshit

(57) Abstract :
A device for monitoring scour around a pillar of a bridge on a waterbody is provided. The device includes: a sensor node having a sensor to measure depth of water at a base of the pillar; and a communicating node at a bed of the waterbody.

No. of Pages : 13 No. of Claims : 6

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Application Details

APPLICATION NUMBER	201611036646
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/10/2016
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	POWERLESS FLUORESCENT BULB
FIELD OF INVENTION	PHYSICS
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E-MAIL (UPDATED Online)	
PRIORITY DATE	NA

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Application Details

APPLICATION NUMBER	201811010929
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	ON-BOARD DIAGNOSTIC SYSTEM TO DETECT ADULTERANTS IN GASOLINE AND PROVIDE A QUANTIFIED VALUE OF ADULTERANTS
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	vsasawat@gmail.com

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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	24/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

View Documents

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :24/03/2018

(21) Application No.201811010929 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : ON-BOARD DIAGNOSTIC SYSTEM TO DETECT ADULTERANTS IN GASOLINE AND PROVIDE A QUANTIFIED VALUE OF ADULTERANTS

(51) International classification :G01N21/643
(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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3)Mr. Jatin Bijlani
4)Mr. Harsh Kandpal
5)Mr. Arvind Kumar Chaudhary
6)Mr. Tushar Kapoor
7)Mr. Vivek Kaundal
8)Mr. Roushan Kumar
9)Mr. Surajit Mondal
10)Mr. Prashant Shukla

(57) Abstract :
An on-board diagnostic (OBD) system configured to an automobile to detect adulterants in gasoline and further provides a quantified value of the adulterants detected in the gasoline. The OBD system comprises a conductivity sensor, microcontroller unit, and notification units. The conductivity sensor is mounted on a fuel tank of the automobile to measure a conductive value of the gasoline while receiving the gasoline into the fuel tank. The microcontroller unit to pre-store a quantified value of the gasoline without adulteration configured with the conductivity sensor to receive the measured conductive value. The microcontroller unit compares the measured conductive value with the pre-stored quantified value to detect the presence adulterant in the gasoline and provides a quantified value of the adulterants. The notification units indicate a plurality of information to the driver in case the adulteration exceeds a permissible value or adulteration is within the permissible value.

No. of Pages : 20 No. of Claims : 4

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Application Details

APPLICATION NUMBER	201811010769
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	RETROFIT SYSTEM TO CONVERT A SEQUENTIAL MANUAL TRANSMISSION INTO A SEMIAUTOMATIC TRANSMISSION
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com

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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	23/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS **Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2018

(21) Application No.201811010769 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : RETROFIT SYSTEM TO CONVERT A SEQUENTIAL MANUAL TRANSMISSION INTO A SEMIAUTOMATIC TRANSMISSION

		(71)Name of Applicant :
		1)University of Petroleum and Energy Studies
(51) International classification	:F16H59/02	Address of Applicant :Energy Acres, Bidholi, Premnager,
(31) Priority Document No	:NA	Dehradun, Uttarakhand, India-248007 Uttarakhand India
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)Pranay Mittal
(86) International Application No	:NA	2)Prashant Singh
Filing Date	:NA	3)Raghav Budhiraja
(87) International Publication No	: NA	4)Dr. Pasupuleti Subrahmanya Ranjit
(61) Patent of Addition to Application Number	:NA	5)Vivek Kaundal
Filing Date	:NA	6)Roushan Kumar
(62) Divisional to Application Number	:NA	7)Surajit Mondal
Filing Date	:NA	8)Prashant Shukla
		9)Swapnil Bhurat
		10)Dr. Jitendra Kumar Pandey

(57) Abstract :

A retrofit system detachably attached to a two-wheeler vehicle to convert a sequential manual transmission into a semi-automatic transmission. The retrofit system comprises two input units, a microcontroller, and gear shift actuator. The two input units are mounted at a distal end of a handlebar to receive a pressing gesture from a user and transmits a signal pertaining to gearshift. The first input unit and second input unit receives pressing gesture from user to upshift and downshift a gear through a prebuilt gearbox. The microcontroller receives the signal to initiate a first command to a clutch control microcontroller to actuate pneumatic piston-cylinder to disengage a clutch. The gear shift actuator receives the second command from microcontroller to rotate a shaft either in clockwise or anti-clockwise direction. The microcontroller then initiates third command to the clutch control microcontroller to operate the pneumatic piston-cylinder in opposite direction to re-engage the clutch.

No. of Pages : 15 No. of Claims : 3

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Application Details

APPLICATION NUMBER	201811010285
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	AN INTELLIGENT ENERGY METER SYSTEM
FIELD OF INVENTION	PHYSICS
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PRIORITY DATE	NA

REQUEST FOR EXAMINATION DATE	22/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/03/2018

(21) Application No.201811010285 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : AN INTELLIGENT ENERGY METER SYSTEM

(51) International classification	:g01d	(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)Archit Agarwal
(87) International Publication No	: NA	2)Aakash Verma
(61) Patent of Addition to Application Number	:NA	3)Dr. Rajesh Singh
Filing Date	:NA	4)Anita
(62) Divisional to Application Number	:NA	5)Dr. Rupendra Kumar Pachauri
Filing Date	:NA	

(57) Abstract :

This invention relates to an intelligent energy system 100 for monitoring, managing, controlling, and billing of electricity consumption, said smart energy system 100 comprises: at least one utility meter 102 comprising a housing 101, wherein said housing 101 comprises a plurality of hardware components; a cloud server 103; an object device 104; and wherein said cloud server 103 is communicating between said utility meter 102 and said object device 104. A method of monitoring, managing, controlling, and billing electricity consumption by said intelligent energy system is also disclosed.

No. of Pages : 18 No. of Claims : 10

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Application Details

APPLICATION NUMBER	201811010226
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	INTELLIGENT SYSTEM FOR LOCKING AND UNLOCKING A DOOR LOCK
FIELD OF INVENTION	MECHANICAL ENGINEERING
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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	21/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811010226 A

(19) INDIA

(22) Date of filing of Application :20/03/2018

(43) Publication Date : 06/04/2018

(54) Title of the invention : INTELLIGENT SYSTEM FOR LOCKING AND UNLOCKING A DOOR LOCK

(51) International classification :E05B47/0012
(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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(72)Name of Inventor :
1)Akash Gupta
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3)Dr. Rajesh Singh
4)Dr. Amit Kumar Mondal
5)Raj Gaurav Mishra
6)Dr. Pasupuleti Subrahmanya Ranjit

(57) Abstract :
An intelligent system for locking and unlocking a door lock comprises a processor unit, wireless module, a sensor unit, and motor driven lock mechanism. The processor unit having a memory to store executable instructions pertaining to locking/unlocking the door lock and stores a password. The wireless module receives a wireless command pertaining to lock or unlock the door lock from a remote control device adapted to receive a lock or unlock input from a user. The sensor unit on sensing a proximity of the remote control device establishes a communication between the wireless module and the processor unit. The motor driven lock mechanism configured with a motor adapted to lock/unlock the door lock based on a command received from the processor unit. The processor unit executes the stored executable instructions on receiving the wireless command from the wireless module to provide the command pertaining to lock/unlock the door lock.

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

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Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811010242
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	A PORTABLE VEHICLE WASHING SYSTEM
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	21/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/03/2018

(21) Application No.201811010242 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : A PORTABLE VEHICLE WASHING SYSTEM

(51) International classification :f16n
(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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1)Dr. Venkateswarlu Chintala
2)Ranjit Karunanithi
3)Surajit Mondal
4)Dr. J. K. Pandey

(57) Abstract :
This invention relates to a portable vehicle washing system comprising high pressure pump and a method thereof. An object of the invention is to provide a portable vehicle washing system 100 comprising: an engine 110; a pump 102; a belt 106; a plurality of pulleys 109A and 109B; a plurality of pipes 104 and 105; a water supply system 103; and wherein said pump 102 is connected with the said engine 110 by using said belt 106 and said plurality of pulleys 109A and 109B. A method of washing a vehicle 108 by using portable vehicle washing system 100 is also disclosed.

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

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Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811009881
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	LANDSLIDE DETECTION SYSTEM
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	18/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

View Documents

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811009881 A

(19) INDIA

(22) Date of filing of Application :18/03/2018

(43) Publication Date : 06/04/2018

(54) Title of the invention : LANDSLIDE DETECTION SYSTEM

(51) International classification	:B61L23/00	(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)Pradyumna Narayan Tiwari
(87) International Publication No	: NA	2)Dr. J. Deva Raju
(61) Patent of Addition to Application Number	:NA	3)Dr. Paawan Sharma
Filing Date	:NA	4)Vivek Kaundal
(62) Divisional to Application Number	:NA	5)Rahul Raj
Filing Date	:NA	6)Ankur Dubey

(57) Abstract :

The invention relates to an early landslide detection system with specially designed sensor columns that will give real time data of each parameter plays prominent role in occurrence of landslides. The collected data from sensors can be communicated to near stations using a communication module. IoT applications can be used for facilitating global monitoring of data obtained at different locations.

No. of Pages : 14 No. of Claims : 6

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Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811009837
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	TOUCHELP FOR MAKING HIGHWAYS MORE SAFE AND RESPONSIBLE
FIELD OF INVENTION	COMPUTER SCIENCE
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	17/03/2018
PUBLICATION DATE (U/S 11A)	29/06/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

View Documents

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811009837 A

(19) INDIA

(22) Date of filing of Application :17/03/2018

(43) Publication Date : 29/06/2018

(54) Title of the invention : TOUCHELP FOR MAKING HIGHWAYS MORE SAFE AND RESPONSIBLE

(51) International classification	:G06F3/041	(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)Ankur Dubey**
(87) International Publication No	: NA	**2)Pradyumna Narayan Tiwari**
(61) Patent of Addition to Application Number	:NA	**3)Rahul Raj**
Filing Date	:NA	**4)Dr. Piyush Kuchhal**
(62) Divisional to Application Number	:NA	**5)Dr. Rajesh Singh**
Filing Date	:NA	**6)Anita**

(57) Abstract :

The invention relates to touchelp system for making highways more safe and responsible. The system includes: a road unit and a control unit. The road unit includes a sensor for sensing and recording fingerprint of person and the control unit receives the location information from the road unit and shares the location information with the hospitals to send the ambulance. A method for making roads more safe and responsible using a touchelp system 100 is also disclosed.

No. of Pages : 12 No. of Claims : 5

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Application Details

APPLICATION NUMBER	201811009754
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	SYSTEM AND ELECTRONIC UNIT INSTALLED IN PREMISES TO PROVIDE INTERACTIVE SURVEILLANCE OVER A NETWORK
FIELD OF INVENTION	COMMUNICATION
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	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS **Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2018

(21) Application No.201811009754 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : SYSTEM AND ELECTRONIC UNIT INSTALLED IN PREMISES TO PROVIDE INTERACTIVE SURVEILLANCE OVER A NETWORK

(51) International classification :G08B27/003
(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, Dehradun, Uttarakhand, India-248007 Uttarakhand India
(72)**Name of Inventor :**
1)Archit Agarwal
2)Dr. Rajesh Singh
3)Anita
4)Dr. Sushabhan Choudhury
5)Rohit Samkaria

(57) Abstract :
Disclosed are a system and electronic unit installed in premises to provide an interactive surveillance over a network. The system includes an electronic unit, computing unit, and wireless unit. The electronic unit comprises a sensor unit, camera unit, communication unit, microphone unit, and a speaker unit. The sensor unit detects movement of a person in the premises based on a predefined parameter. The camera unit captures an image of the detected person. The predefined parameters are variation in threshold pixel, and/or threshold frame. The communication unit instantly transmits the notification pertaining to detection of the person to the computing unit over a cellular network. The wireless unit transmits the captured image over a network to a cloud storage in a remote location. The computing unit retrieves the transmitted captured image through a customized program application. The speaker unit plays the recorded speech of the user and detected a person.

No. of Pages : 21 No. of Claims : 10

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Application Details

APPLICATION NUMBER	201811009532
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	SYSTEM FOR GENERATION OF ELECTRICITY FROM THE ROTATING WHEEL ASSEMBLY OF AN AUTOMOTIVE VEHICLE
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	vsasawat@gmail.com

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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2018

(21) Application No.201811009532 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : SYSTEM FOR GENERATION OF ELECTRICITY FROM THE ROTATING WHEEL ASSEMBLY OF AN AUTOMOTIVE VEHICLE

(51) International classification :B60L8/00
(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
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(72)Name of Inventor :
1)Rishabh Chaudhary
2)Prakhar Prakash
3)Rahul Nag
4)Dr. Pasupuleti Subrahmanya Ranjit
5)Roushan Kumar
6)Vivek Kaundal
7)Prashant Shukla
8)Dr. Jitendra Kumar Pandey

(57) Abstract :
The invention relates to design development and implementation of a system that can generate electricity from the rotating wheel assembly of an automotive vehicle. As the wheels of the vehicle are continuous rotating thus the electricity produced with the proposed invention will be continuous.

No. of Pages : 15 No. of Claims : 6

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Application Details

APPLICATION NUMBER	201811009447
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	IMPLEMENTING OF WHEEL ALIGNMENT MONITORING SYSTEMAND THERE OF
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	vsasawat@gmail.com
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E-MAIL (UPDATED Online)	

PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2018

(21) Application No.201811009447 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : IMPLEMENTING OF WHEEL ALIGNMENT MONITORING SYSTEMAND THERE OF

(51) International classification :g01b
(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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1)Dr. Pasupuleti Subrahmanya Ranjit
2)Puneet Sharma
3)Wimanyu Singh
4)Shivalika Shrivastava
5)Mayank Gajendra
6)Vivek Kaundal
7)Roushan Kumar
8)Prashant Shukla

(57) Abstract :
The invention relates to implementing of wheel alignment monitoring system using attached sensors in the vehicle. The proposed system is an effective approach to avoid misalignment by alerting the driver about the wheels characteristics in the real time. Ultimately, it will be a tool to avoid accidents due to premature wheels failure.

No. of Pages : 16 No. of Claims : 6

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Application Details

APPLICATION NUMBER	201811009448
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	An Implementation of On-Board Diagnostics of Pre-Failure in Clutch and Brake Wires
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	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/03/2018

(21) Application No.201811009448 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : An Implementation of On-Board Diagnostics of Pre-Failure in Clutch and Brake Wires

(51) International classification :b60t
(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. Pasupuleti Subrahmanya Ranjit
2)Kunal Chetwani
3)Mahish Guru
4)Raghav Pathak
5)Roushan Kumar
6)Vivek Kaundal
7)Prashant Shukla
8)Dr. Jitendra Kumar Pandey

(57) Abstract :
This invention relates to an implementation 100 of on-board diagnostics of pre-failure in clutch and brake wires of vehicle 101 comprise: a static magnetic unit 102; a field sensing unit 103; a plurality of clutch and/or brake wires 104; a microcontroller 105; and a plurality of LED lights 106. A method for on-board diagnosing of pre-failure in clutch and brake wires of vehicle 101 by using the implementation is also disclosed.

No. of Pages : 28 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201811009289
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	A SYSTEM FOR REMOTELY VISUAL INSPECTION AND MONITORING OF ROAD SURFACES FOR CRACKS AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
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ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/03/2018

(21) Application No.201811009289 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : A SYSTEM FOR REMOTELY VISUAL INSPECTION AND MONITORING OF ROAD SURFACES FOR CRACKS AND METHOD THEREOF

(51) International classification :g06t
(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)Rohit Sanket
2)Tanisha Gupta
3)Dr. Vikas Garg
4)Dr. Suresh Kumar
5)Dr. Rajesh Singh
6)Anita

(57) Abstract :
The present invention relates to a system for remotely visual inspection and monitoring of road surfaces for cracks and method thereof. The system and method for remotely visual inspection and monitoring of road surfaces for cracks comprise of at least one mobile bot system, at least one crack detection system and at least one base station. The mobile bot system, crack detection system and base station are wirelessly connected to each other. The mobile bot system further comprise of at least two servo motor, plurality of camera, a microcontroller board, at least one battery, at least one motor driver, a display unit, at least one RF modem, at least four motor, arduino UNO, plurality of bot antenna. The crack detection system further comprise of at least one display unit, at least one modem, plurality of system antenna, a keyboard, a computer, an antenna. The base station further comprise of a hand held device, a display unit, at least one RF modem. The mobile bot system capture video through the available camera in the mobile bot system. This captured video is then transfer to the crack detection system. The crack detection system a computer to process the video and check and detect the crack and communicate with the engineer for further assistance. The movement of the mobile bot system are control by the base station.

No. of Pages : 24 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201811009262
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	APPARATUS FOR ENERGY HARVESTING BY UTILIZING THE WEIGHT OF VEHICLES PASSING OVER ROAD
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	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/03/2018

(21) Application No.201811009262 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : APPARATUS FOR ENERGY HARVESTING BY UTILIZING THE WEIGHT OF VEHICLES PASSING OVER ROAD

(51) International classification :b60c
(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)Nikhil Raj
2)Amarnath Bose
3)Jitendra Kumar Pandey
4)Surajit Mondal
5)Krishna Kant Dixit
6)Pinisetti Swami Sairam

(57) Abstract :
Disclosed is an apparatus for energy harvesting by utilizing the weight of a vehicle passing over the road. The apparatus includes a housing having a predefined dimension placed under a road breaker hump. The housing comprises a plurality of compression springs, a dynamo shaft, a plurality of driving gears, a coil spring, and a mechanical damper. The plurality of compression springs receives a vertical compression stress generated by the vehicle passing over the road. The dynamo shaft converts the vertical compression stress received by the compression spring into an angular momentum. The plurality of driving gears installed in a gearbox. The dynamo shaft drives the driving gear to provide an output of a predefined revolution per minute (RPM) to generate electrical energy. The coil spring stores the electrical energy generated by the plurality of driving gears. The mechanical damper controls the twisting of the coil spring.

No. of Pages : 19 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201811009124
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	COMPUTER-IMPLEMENTED METHOD AND SYSTEM TO PROVIDE A NON-DETERMINISTIC FRAMEWORK TO DETERMINE A PATROLLING PATH
FIELD OF INVENTION	ELECTRICAL
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	16/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/03/2018

(21) Application No.201811009124 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : COMPUTER-IMPLEMENTED METHOD AND SYSTEM TO PROVIDE A NON-DETERMINISTIC FRAMEWORK TO DETERMINE A PATROLLING PATH

(51) International classification	:g05d	(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)Saurabh Shanu
(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 computer-implemented method and system to provide a non-deterministic framework to determine a patrolling path. The method includes a step of selecting a move on the patrolling path at random with a probability p through a first-order Markovian chain module. Then the method estimates a probability of penetration detection in a polynomial time at each point along a perimeter as a function of probability p through a polynomial time algorithm module. Further, the method identifies an optimal patrol path in presence of a strong adversary for a plurality of guards to maximize a probability of penetration detection in the weakest spot of the patrolling path through a patrol algorithm module.

No. of Pages : 29 No. of Claims : 9

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Application Details

APPLICATION NUMBER	201811008888
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	ACTIVE SAFETY SYSTEM FOR THE VEHICLE PASSING THROUGH STAGNANT AND FLOWING WATER THEREOF
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	12/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/03/2018

(21) Application No.201811008888 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : ACTIVE SAFETY SYSTEM FOR THE VEHICLE PASSING THROUGH STAGNANT AND FLOWING WATER THEREOF

(51) International classification :b62d
(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, Dehradun, Uttarakhand, India-248007 Uttarakhand India
(72)Name of Inventor :
1)Dr. Pasupuleti Subrahmanya Ranjit
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3)Prakhar Prakash
4)Harsh Sanjeev Kumar
5)Ashish Gaurav
6)Roushan Kumar
7)Vivek Kaundal
8)Prashant Shukla
9)Swapnil Bhurat
10)Surajit Mondal

(57) Abstract :
The invention relates to an active safety system for vehicle passing through stagnant and flowing water thereof. The aim of the present invention is to develop a system which will automatically stop the fuel injection even if the driver ignores (accelerates the vehicle on the indication of danger signal) the signal given by ECU. The fuel injection will automatically start on reverse gearing. A safety system 100 for vehicles, said system comprises: a vegapuls sensor or ultrasonic sensor 101,a hall effect water flow meter sensor 103, a hydraulic cylinder 102, a ECU (Electronic Control Unit) 104, and a LED indication 105. A method for alerting a driver of a vehicle using a safety system 100 is also disclosed.

No. of Pages : 18 No. of Claims : 4

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Application Details

APPLICATION NUMBER	201811008593
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	ARRANGEMENT FOR LENGTH ADJUSTABLE DUAL TYPE FREE PISTON ENGINE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
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PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	12/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/03/2018

(21) Application No.201811008593 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : ARRANGEMENT FOR LENGTH ADJUSTABLE DUAL TYPE FREE PISTON ENGINE

(51) International classification :f04b
(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. Shyam Pandey
2)Himanshu Bindal
3)Prakhar Rastogi
4)Navjeet Singroha
5)Hemraj Chaudhary
6)Pratik Raj
7)Saurabh Matta

(57) Abstract :
The present invention relates to the arrangement for length adjustable dual type free piston engine which is capable of varying the compression ratio of the piston. The arrangement for length adjustable dual type free piston engine which is capable of varying the compression ratio of the piston comprise of a magnetic part, at least two piston rod, two combustion chamber, two piston and plurality of nuts and bolts. The piston rods are attached with the piston in one end and other end has two holes. The piston oscillates inside combustion chamber. The distance between the magnetic part and the combustion chamber can be increased by changing the holes for connection. There are four type of combination are available using the two holes in the piston rod. The magnetic part further comprise of hole, connect rod, bolt, washer, washer cover, inner rod, magnets.

No. of Pages : 20 No. of Claims : 4

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Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811008146
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	SYSTEM AND METHOD TO PREVENT AN ACCIDENT FROM A SUDDEN DOOR OPENING OF VEHICLE
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	08/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811008146 A

(19) INDIA

(22) Date of filing of Application :06/03/2018

(43) Publication Date : 06/04/2018

(54) Title of the invention : SYSTEM AND METHOD TO PREVENT AN ACCIDENT FROM A SUDDEN DOOR OPENING OF VEHICLE

(51) International classification :b50r
(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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(72)Name of Inventor :
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2)Puneet Sharma
3)Wimanyu Singh
4)Shivalika Shrivastava
5)Mayank Gajendra
6)Vivek Kaundal
7)Roushan Kumar
8)Prashant Shukla
9)Dr. Jitendra K Pandey

(57) Abstract :
A system to prevent an accident from a sudden door opening of a first vehicle includes a proximity and speed sensor, microcontroller, actuator, and display unit. The proximity sensor measures distance and speed sensor measure speed of the second vehicles approaching towards the first vehicle. The proximity sensor stores a threshold value pertaining to the distance and the speed sensor stores threshold value pertaining to speed of the second vehicle. The speed sensor and the proximity sensor transmit signal when the measured speed and distance exceed stored threshold values. The microcontroller receives the transmitted signal and triggers command pertaining to operation of the door. The actuator initiates notification signals to notify the occupants present in first vehicle. The actuator locks the door of the first vehicle when the occupant opens the door in a first attempt after initiation of notification signal. The display unit displays information about the second vehicle.

No. of Pages : 19 No. of Claims : 9

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Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201811007975
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	INTELLIGENT DUSTBIN
FIELD OF INVENTION	PHYSICS
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	08/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2018

(21) Application No.201811007975 A

(43) Publication Date : 06/04/2018

(54) Title of the invention : INTELLIGENT DUSTBIN

(51) International classification :y02w
(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, Premnagar, Deluradun, Uttarakhand, India-248007 Uttarakhand India
(72)Name of Inventor :
1)Dr. Pankaj Kumar Sharma
2)Dr. Rajesh Singh
3)Dr. Kamal Bansal
4)Anita

(57) Abstract :
The present invention relates to the intelligent dustbin to monitoring and separate biodegradable and non-biodegradable wastes which is comprise of at least one level sensor, at least three IR sensors, a display unit, a buzzer, a motor driver, at least two DC motors, a power source, a microcontroller board, at least one pivot rod, a three chambered box. The three chambered box provides separate space for waste filling, bio-degradable waste box and non-biodegradable waste box. The method for operating intelligent dustbin to monitoring and separate biodegradable and non-biodegradable wastes as follows. The IR sensors scan and identified the wastage kept by the user in the space for waste filling. The identified waste are then separated depending on bio-degradable and non-biodegradable using pivot rod and dc motor. The level sensor monitors availability of space in the intelligent dustbin and displaying the result in the display unit. Indicating the fullness of dustbin by buzzer.

No. of Pages : 21 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201811007990
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	METHOD AND SYSTEM TO DETECT CRACK IN RAIL TRACK
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	08/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/03/2018

(21) Application No.201811007990 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : METHOD AND SYSTEM TO DETECT CRACK IN RAIL TRACK

(51) International classification :f04b
(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, Dehradun, Uttarakhand, India-248007 Uttarakhand India
(72)Name of Inventor :
1)Rahul Raj
2)Himanshu Srivastava
3)Dr. Paawan Sharma
4)B. Khaleelu Rehman
5)Pradyumna Narayan Tiwari

(57) Abstract :
Disclosed is a method and system to detect a crack in a rail track and further transmit the detected data to a computing unit over a network. The system comprises a microcontroller unit, line-laser unit, sensors, GPS unit, a communication unit, and machine vision module. The microcontroller unit stores and executes instructions pertaining to detection of the crack in the rail track. The line-laser unit captures a deformation image of the rail track. The sensors monitor surface characteristics of the rail track. The surface characteristics include a temperature of the rail track and dimension of the rail track. The GPS determines GPS coordinates of the detected cracks. The communication unit transmits the monitored data and the determined GPS coordinates to the computing unit over the network. The machine vision module analyzes the received monitored data and the captured deformation image to determine the crack in the rail track.

No. of Pages : 19 No. of Claims : 8

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Application Details

APPLICATION NUMBER	201811007955
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	A REMOTE CONTROLLED DINING TABLE
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	vsasawat@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	NA

REQUEST FOR EXAMINATION DATE	08/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/03/2018

(21) Application No.201811007955 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : A REMOTE CONTROLLED DINING TABLE

(51) International classification	:h04b	(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. Nihal Anwar Siddiqui
(87) International Publication No	: NA	2)Dr. Rajesh Singh
(61) Patent of Addition to Application Number	:NA	3)Anita
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
This invention relates to a remote controlled rotating dining table comprising a table section 100 and a remote section 200; wherein said table section comprises of a first RF module 106, a first microcontroller board 107, a motor driver 108, a motor 110, a heating element 105, a dimmer, a lamp 109, load cell, table top 104 and wherein said remote section 200 comprises of second microcontroller board 201, a second RF module 202, a display device 203, a switch array 204, and a power source 205. Further, the table section 100 may also include wheel 111 for mobility or moving a dining table.

No. of Pages : 16 No. of Claims : 10

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Application Details

APPLICATION NUMBER	201811007956
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	SMART ELECTRONIC MENU AND ORDERING SYSTEM
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@gmail.com
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PRIORITY DATE	NA

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Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/03/2018

(21) Application No.201811007956 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : SMART ELECTRONIC MENU AND ORDERING SYSTEM

(51) International classification :g06q
(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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(72)Name of Inventor :
1)Archit Aggarwal
2)Dr. Rajesh Singh
3)Anita
4)Dr. Sushabhan Choudhury
5)Rohit Samkaria

(57) Abstract :
The invention relates to smart electronic menu and ordering system for processing customer orders, the system comprises a customer device and a server device. The customer can order the respective choice of the food using the customer device which is connected to the server device wirelessly through RF. The server device receives the order placed on the customer device and process it accordingly.

No. of Pages : 13 No. of Claims : 6

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Application Details

APPLICATION NUMBER	201811007957
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	NUMERIC FUEL INDICATOR
FIELD OF INVENTION	PHYSICS
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	08/03/2018
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APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/03/2018

(21) Application No.201811007957 A
(43) Publication Date : 06/04/2018

(54) Title of the invention : NUMERIC FUEL INDICATOR

(51) International classification :g01f
(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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(72)Name of Inventor :
1)Prashant Shukla
2)Dr. Pasupuleti Subrahmanya Ranjit
3)Shubham Agarwal
4)Ayush Bansal

(57) Abstract :
This invention relates to a numeric fuel indicator system 100 or 200 for providing accurate fuel available in a fuel tank 101 of a vehicle; said numeric fuel indicator system comprising: a. Said fuel tank 101 which is attached or fixed to any of the vehicle; b. a load cell 102; c. a microcontroller (103 or 206); and d. a display (104 or 204).

No. of Pages : 15 No. of Claims : 6

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Application Details

APPLICATION NUMBER	201811007959
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/03/2018
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	SMART SHOE 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	08/03/2018
PUBLICATION DATE (U/S 11A)	06/04/2018

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811007959 A

(19) INDIA

(22) Date of filing of Application :04/03/2018

(43) Publication Date : 06/04/2018

(54) Title of the invention : SMART SHOE SYSTEM

(51) International classification	:a63f
(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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1)Nivesh Yadav
2)Shambhavi
3)Dr. Sushabhan Choudhury
4)Dr. Rajesh Singh
5)Anita
6)Rohit Samkaria
7)Surajit Mondal

(57) Abstract :
The invention relates to a smart shoe system for monitoring a person™s footsteps and calories burnt. The data generated with the smart shoe system can be used by a doctor to assess the person™s health. A server receives the person™s footsteps and calories data from an RF module in a shoe assembly and performed the calculations for monitoring person™s health. Once the person™s health is monitored, an alert is sent to the doctor on his object device.

No. of Pages : 17 No. of Claims : 6

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Application Details

APPLICATION NUMBER	201811022413
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/06/2018
APPLICANT NAME	University of Petroleum and Energy Studies
TITLE OF INVENTION	SYMMETRIC HYPERLOOP SYSTEM AND METHOD FOR MANAGEMENT AND MITIGATION OF SPACE DEBRIS
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	vsasawat@gmail.com
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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

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(21) Application No.201811022413 A
(22) Date of filing of Application :15/06/2018
(43) Publication Date : 13/07/2018

(54) Title of the invention : SYMMETRIC HYPERLOOP SYSTEM AND METHOD FOR MANAGEMENT AND MITIGATION OF SPACE DEBRIS

(51) International classification :B60L13/10
(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, Dehradun, Uttarakhand, India-248007 Uttarakhand India
(72)**Name of Inventor :**
1)Siddharth Ojha
2)Amit Kumar Mondal
3)Vindhya Devalla
4)Sudhir Joshi
5)Vijay Kumar Patidar
6)Rajesh Yadav
7)Vivek Kaundal

(57) Abstract :
Disclosed are symmetric hyperloop system and method for management and mitigation of space debris. The symmetric hyperloop system comprises a plurality of sensors, a plurality of cameras, a plurality of hyperloop modules, a plurality of solar panels, a plurality of thrusters, and a heat-shielded container. The sensors are operable to sense the presence of space debris. The cameras are configured with the cameras to capture images of the space debris sensed by the sensors. The hyperloop modules are communicatively coupled with the sensors and further synchronized through a magnetic field. Each of the hyperloop modules individually produces variable and controllable Electromagnetic Pulse to deflect and direct the space debris having a predefined dimension towards earth atmosphere. The solar panels power the hyperloop modules, thrusters, sensors, and cameras. The thrusters align the symmetric hyperloop system in an assigned orbit. The heat-shielded container stores the space debris.

No. of Pages : 21 No. of Claims : 10

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Application Details

APPLICATION NUMBER	201711021699
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/06/2017
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	METHOD AND DEVICE TO MONITOR VARIOUS PARAMETERS OF VEHICLE, AND FURTHER COMMUNICATES THE MONITORED DATA TO COMPUTING DEVICE OVER A COMMUNICATION NETWORK
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	vsasawat@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	14/07/2017

Application Status

APPLICATION STATUS **Application Published**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711021699 A

(19) INDIA

(22) Date of filing of Application :21/06/2017

(43) Publication Date : 14/07/2017

(54) Title of the invention : METHOD AND DEVICE TO MONITOR VARIOUS PARAMETERS OF VEHICLE, AND FURTHER COMMUNICATES THE MONITORED DATA TO COMPUTING DEVICE OVER A COMMUNICATION NETWORK

(51) International classification	:G07C5/00	(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)Archit Agarwal**
(87) International Publication No	: NA	**2)S.Ghosal**
(61) Patent of Addition to Application Number	:NA	**3)Sushabhan Choudhury**
Filing Date	:NA	**4)Rajesh Singh**
(62) Divisional to Application Number	:NA	**5)Anita Gehlot**
Filing Date	:NA	**6)Aakash Verma**

(57) Abstract :

Disclosed is a device configured with a vehicle to monitor various parameters of a vehicle, and communicates the monitored data to a computing device. The device includes connector unit, processing unit, accelerometer, GPS, communication unit, and platform unit. The connector unit detachably configured with the vehicle™s ECU. The processing unit accesses the plurality of parameters of the vehicle via the connector unit. The parameters are selected from engine temperature, brake oil status, steering oil status, diagnostic trouble codes, MIL status, VIN, Inspection and Maintenance (I/M) information, IPT etc. The accelerometer measures static acceleration of gravity, and dynamic acceleration when the vehicle is in motion. The GPS monitors location data of the vehicle. The communication unit transmits the accessed parameters data, data measured by the accelerometer, and the location data to the computing device. The platform unit houses the connector unit, processing unit, accelerometer, GPS, and communication unit.

No. of Pages : 23 No. of Claims : 7

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Application Details

APPLICATION NUMBER	201711037914
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/10/2017
APPLICANT NAME	**University of Petroleum and Energy Studies**
TITLE OF INVENTION	SYSTEM FOR CONTROL AND AVOID COLLISION IN A VEHICLE 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	20/11/2017
PUBLICATION DATE (U/S 11A)	01/12/2017

Application Status

APPLICATION STATUS **Application Awaiting Examination**

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(57) Abstract :
This invention relates to a system for controlling and avoiding collision in a vehicle and method thereof. The system for control and avoid collision in a vehicle due to misapplication of throttle pedal has a flexi force sensor which connects a throttle pedal to a microcontroller circuit in which said flexi force sensor detects normal and abrupt pressure from the throttle pedal. A switching circuit connects between three parts of the system which are microcontroller circuit, a converter and a pneumatic Directional Control Valve (DCV). The present invention relates to a method for control and avoids collision in a vehicle due to misapplication of throttle pedal. Installation of the same in the vehicle can be easily done as its independent of any other systems within the vehicle. The working mechanism and the apparatus used are simple and easy to operate with, making the installation and repair (If required) very simple. The invention is undoubtedly feasible, accurate, and reliable and has real world application as well. When installed in vehicles, it would add yet another dimension to the existing safety mechanisms and would suffice to the need to counter pedal misapplication.

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