



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

Application Details

APPLICATION NUMBER	2792/DEL/2013
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/09/2013
APPLICANT NAME	UNIVERSITY OF PETROLEUM & ENERGY STUDIES.
TITLE OF INVENTION	FUEL INJECTION SYSTEM FOR COMPRESSION IGNITION ENGINES OF STATIONARY APPLICATIONS, PARTICULARLY FOR DIESEL ENGINE.
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	

ADDITIONAL-EMAIL (As
Per Record)

E-MAIL (UPDATED Online) Isdavar@ndf.vsnl.net.in

PRIORITY DATE NA

REQUEST FOR EXAMINATION DATE 15/01/2014

PUBLICATION DATE (U/S 11A) 27/03/2015

Application Status

APPLICATION STATUS

**Application
Awaiting
Examination**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.2792 DEL 2013 A

(19) INDIA

(22) Date of filing of Application :23/09/2013

(43) Publication Date : 27/03/2015

(54) Title of the invention : FUEL INJECTION SYSTEM FOR COMPRESSION IGNITION ENGINES OF STATIONARY APPLICATIONS, PARTICULARLY FOR DIESEL ENGINE.

(51) International classification	:F02B	(71)Name of Applicant :	1)UNIVERSITY OF PETROLEUM & ENERGY STUDIES,
(31) Priority Document No	:NA		Address of Applicant :DEHRADUN ENERGY ACRES, P.O.
(32) Priority Date	:NA		BIDHOLI VIA PREM NAGAR, DEHRADUN-248007.
(33) Name of priority country	:NA		UTTARAKHAND, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :	1)SHYAM PANDEY
Filing Date	:NA		2)PARAG DIWAN
(87) International Publication No	:NA		3)PRADEEPTA KUMAR SHOO
(61) Patent of Addition to Application Number	:NA		4)SAWARAN JIT CHOPRA
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

This invention relates to fuel injection system for I.C. engines of stationary applications, particularly for diesel engine comprising of atleast two in-line pumping units accommodated in base, wherein the pumping unit comprising of a piston reciprocable within a cylinder, in which the piston is driven by means of a cam shaft having a double-lobed profile with null acceleration in the delivery phase and constant speed so as to ensure constant fuel flow rate. This invention also relates to a method for advancing retarding fuel injection in an injection pump of fuel injection system comprising steps of:- -Supply of fuel from tank to feed pump, from where it is supplied to heat exchanger, -Filtration of fuel through a filter, -Supply of filtered fuel into inline pump, and -Retarding or advancing injection timing from actual injection timing.

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



Controller General of Patents, Designs and Trademarks
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Application Details

APPLICATION NUMBER	2144/DEL/2013
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/07/2013
APPLICANT NAME	UNIVERSITY OF PETROLEUM & ENERGY STUDIES
TITLE OF INVENTION	A METHOD FOR PRODUCING BIODIESEL FUEL
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	Isdavar@ndf.vsnl.net.in
PRIORITY DATE	NA

REQUEST FOR EXAMINATION DATE	05/09/2013
PUBLICATION DATE (U/S 11A)	23/01/2015
FIRST EXAMINATION REPORT DATE	19/09/2017
REPLY TO FER DATE	19/03/2018

Application Status

APPLICATION STATUS

**Application
in
Amended
stage**

[View Documents](#)

Publication After 18 Months:

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. 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.2144/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :17/07/2013

(43) Publication Date : 23/01/2015

(54) Title of the invention : A METHOD FOR PRODUCING BIODIESEL FUEL

(51) International classification	:C11C3/00	(71)Name of Applicant :	1)UNIVERSITY OF PETROLEUM & ENERGY STUDIES
(31) Priority Document No	:NA	Address of Applicant :	ENERGY ACRES. DEHRADUN-
(32) Priority Date	:NA		248007 UTTARAKHAND INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor :	
(86) International Application No	:NA	1)PRADEEPTA KUMAR SAHOO	
Filing Date	:NA	2)AMIT KUMAR SHARMA	
(87) International Publication No	:NA	3)BHAWNA YADAV LAMBA	
(61) Patent of Addition to Application Number	:NA	4)PARAG DIWAN	
Filing Date	:NA	5)SAWARAN JIT CHOPRA	
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

The invention relates to a method for producing biodiesel fuel comprising (a) removal of dust and foreign particles from seeds; (b) drying seeds under sun light; (c) oil extraction from seeds by screw press expeller; (d) collecting of extracted oil and oil residue (deoiled cake); (e) storage of extracted oil in storage tank for sedimentation; (f) filtration of extracted oil by filter press and different pore size filters; (g) pretreatment of oil to reduce free fatty acids and degumming ; (h) transesterification of refined oil using homogenous catalyst followed by microwave oven heating to convert remaining glycerides into esters; (i) separation of biodiesel, excess methanol and glycerol; (j) washing and drying of biodiesel.

No. of Pages : 28 No. of Claims : 23



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Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	3926/DEL/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/12/2014
APPLICANT NAME	1 . SIDDHARTHA SARMA 2 . Ayush Bansal 3 . Kamal Bansal 4 . Sushabhan Choudhury 5 . Rajesh Singh 6 . Anita 7 . Adesh Kumar
TITLE OF INVENTION	WIRELESS CONTROLLED POWER EXTENSION BOARD
FIELD OF INVENTION	COMMUNICATION

E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	08/01/2015
PUBLICATION DATE (U/S 11A)	16/01/2015

Application Status

APPLICATION STATUS

**Application
Awaiting
Examination**

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.3926/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :25/12/2014

(43) Publication Date : 16/01/2015

(54) Title of the invention : WIRELESS CONTROLLED POWER EXTENSION BOARD

(51) International classification	:G08C17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Siddharth Sarma
(32) Priority Date	:NA	Address of Applicant :S/o Tirtha Nath Sarma C/o University
(33) Name of priority country	:NA	of Petroleum and Energy Studies ,33 Energy Acres, Bidholi,
(86) International Application No	:NA	Premnager, Dehradun, -248007 Uttarakhand India
Filing Date	:NA	2)Ayush Bansal
(87) International Publication No	:NA	3)Kamal Bansal
(61) Patent of Addition to Application Number	:NA	4)Sushabhan Choudhury
Filing Date	:NA	5)Rajesh Singh
(62) Divisional to Application Number	:NA	6)Anita
Filing Date	:NA	7)Adesh Kumar
		(72)Name of Inventor :
		1)Siddharth Sarma
		2)Ayush Bansal
		3)Kamal Bansal
		4)Sushabhan Choudhury
		5)Rajesh Singh
		6)Anita
		7)Adesh Kumar

(57) Abstract :

Present invention relates to a remote operated electric board for wireless controlling of electrical appliances, charging of mobile phone and also for dimming of electrical appliances in different levels. The system finds application not only in houses, but shops, shopping complexes, government offices, and almost all places. The extension board comprises of wireless controlling of four kinds of electrical outputs. two ports with 5A output, one port with 15A output, one dimmable output port and two USB charging ports.

No. of Pages : 13 No. of Claims : 14



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

Application Details

APPLICATION NUMBER	3790/DEL/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/12/2014
APPLICANT NAME	1 . P Swami Sairam 2 . Meera C S 3 . Sunil Sunny 4 . Jubit Emmanuel 5 . Sushabhan Choudhury 6 . Rajesh Singh 7 . Anita 8 . Arpit Jain
TITLE OF INVENTION	METHOD AND DEVICE FOR SMART PROJECTOR SCREEN
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	vsasawat@gmail.com

ADDITIONAL-EMAIL (As Per
Record)

E-MAIL (UPDATED Online)

PRIORITY DATE

NA

REQUEST FOR
EXAMINATION DATE

30/12/2014

PUBLICATION DATE (U/S
11A)

16/01/2015

Application Status

APPLICATION STATUS

**Application
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.3790/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/12/2014

(43) Publication Date : 16/01/2015

(54) Title of the invention : METHOD AND DEVICE FOR SMART PROJECTOR SCREEN

(51) International classification

:H04N
9/31

(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)P Swami Sairam

Address of Applicant :S/o P Satyanarayana C/o University of
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Premnager, Dehradun. -248007 Uttarakhand India

2)Meera C S

3)Sunil Sunny

4)Jubit Emmanuel

5)Sushabhan Choudhury

6)Rajesh Singh

7)Anita

8)Arpit Jain

(72)Name of Inventor :

1)P Swami Sairam

2)Meera C S

3)Sunil Sunny

4)Jubit Emmanuel

5)Sushabhan Choudhury

6)Rajesh Singh

7)Anita

8)Arpit Jain

(57) Abstract :

The system makes use of 2.4GHz RF modules for the wireless data transmission and receiving from the projector and the screen. A mote is placed near the projector end which monitors the distance, status of the projector and sends the data to the mote present near the projector screen. The complete system is composed in two different sections called mote1 and mote2 .The mote 1, present near the projector end, contains a microcontroller, RF module, ultrasonic sensor, power unit. The mote 2, present near the screen, contains a microcontroller, RF module, power unit, motor driver, motor, limit switch.

No. of Pages : 12 No. of Claims : 4



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

Application Details

APPLICATION NUMBER	3796/DEL/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/12/2014
APPLICANT NAME	1 . Nikhil Gupta 2 . Jaideep Saharan 3 . Manish Prateek 4 . Sushabhan Choudhury 5 . Rajesh Singh 6 . Anita 7 . Shival Dubey 8 . Vivek Kaundal
TITLE OF INVENTION	METHOD AND APPARATUS TO ADJUST DISH POSITIONING SYSTEM WITH RF REMOTE

FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	30/12/2014
PUBLICATION DATE (U/S 11A)	23/01/2015

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.3796 DEL 2014 A

(19) INDIA

(22) Date of filing of Application :19/12/2014

(43) Publication Date : 23.01/2015

(54) Title of the invention : METHOD AND APPARATUS TO ADJUST DISH POSITIONING SYSTEM WITH RF REMOTE

(51) International classification	:H01Q 3/00	(71)Name of Applicant : 1)Nikhil Gupta Address of Applicant :S/o Sushil Gupta C/o University of Petroleum and Energy Studies .33 Energy Acres. Bidholi, Premnager, Dehradun. -248007 Uttarakhand India
(31) Priority Document No	:NA	2)Jaideep Saharan
(32) Priority Date	:NA	3)Manish Prateek
(33) Name of priority country	:NA	4)Sushabhan Choudhury
(86) International Application No	:NA	5)Rajesh Singh
Filing Date	:NA	6)Anita
(87) International Publication No	:NA	7)Shival Dubey
(61) Patent of Addition to Application Number	:NA	8)Vivek Kaundal
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)Nikhil Gupta
Filing Date	:NA	2)Jaideep Saharan
		3)Manish Prateek
		4)Sushabhan Choudhury
		5)Rajesh Singh
		6)Anita
		7)Shival Dubey
		8)Vivek Kaundal

(57) Abstract :

At the dish antenna, the system consists of two motors, a controller, power system and RF transceivers. Motors are attached to the dish via mechanical structure. Upon receiving the signal from remote, the controller decodes the signal and accordingly generates logic for the motors. The motors moves accordingly in the mechanical system and ultimately the dish position are adjusted.

No. of Pages : 11 No. of Claims : 6



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

Application Details

APPLICATION NUMBER	3199/DEL/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/11/2014
APPLICANT NAME	1 . AMIT LAMBA 2 . SUSHABHAN CHOUDHURY 3 . ALKA JHA 4 . ANIRUDH SINGH 5 . APURVA PATEL 6 . RAJESH SINGH 7 . ANITA

TITLE OF INVENTION	AN ELECTRONIC SYSTEM FOR FAN CUM EXHAUST FAN
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/01/2015

Application Status

APPLICATION STATUS

Application Published

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.3199/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :05/11/2014

(43) Publication Date : 16/01/2015

(54) Title of the invention : AN ELECTRONIC SYSTEM FOR FAN CUM EXHAUST FAN

(51) International classification	:F24F 7/00	(71)Name of Applicant : 1)AMIT LAMBA Address of Applicant :H.NO. 1063, SECTOR-13, HISAR HARYANA-125001, INDIA
(31) Priority Document No	:NA	2)SUSHABHAN CHOUDHURY
(32) Priority Date	:NA	3)ALKA JHA
(33) Name of priority country	:NA	4)ANIRUDH SINGH
(86) International Application No	:NA	5)APURVA PATEL
Filing Date	:NA	6)RAJESH SINGH
(87) International Publication No	:NA	7)ANITA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SUSHABHAN CHOUDHURY
(62) Divisional to Application Number	:NA	2)AMIT LAMBA
Filing Date	:NA	3)ALKA JHA
		4)ANIRUDH SINGH
		5)APURVA PATEL
		6)RAJESH SINGH
		7)ANITA

(57) Abstract :

The present invention relates to an electronic system for fan cum exhaust fan comprising a master node and slave node wherein the master node having a remote control and said slave node comprises of fan node, wherein a robotic arm is connected to a fan which is convertible to exhaust fan and vice-versa.

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



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

Application Details

APPLICATION NUMBER	1405/DEL/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/05/2014
APPLICANT NAME	UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
TITLE OF INVENTION	WPAN BASED SMART REMOTE CONTROL FOR HEATER
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA

REQUEST FOR EXAMINATION DATE	11/08/2016
PUBLICATION DATE (U/S 11A)	08/08/2014

Application Status

APPLICATION STATUS

**Application
Awaiting
Examination**

[View Documents](#)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1405/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :27/05/2014

(43) Publication Date : 08/08/2014

(54) Title of the invention : WPAN BASED SMART REMOTE CONTROL FOR HEATER

(51) International classification	:G05B15/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Anant Wadhwa
(32) Priority Date	:NA	Address of Applicant :S/o Dr. Anshu Kumar, #5397/1,
(33) Name of priority country	:NA	Modern Housing Complex, Manimajra, Chandigarh 160101,
(86) International Application No	:NA	India
Filing Date	:NA	2)Rajesh Singh
(87) International Publication No	: NA	3)Dr. Piyush Kuchhal
(61) Patent of Addition to Application Number	:NA	4)Bhupendra Singh
Filing Date	:NA	5)Anita
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Anant Wadhwa
		2)Rajesh Singh
		3)Dr. Piyush Kuchhal
		4)Bhupendra Singh
		5)Anita

(57) Abstract :

Present invention relates to a system for remote controlling of heater. The system is basically designed for saving energy resources which are at their crucial stage of utility. The system of instant invention is an intelligent control of device for domestic energy optimization through remote control. The remote control uses dimmer-switches designed indigenously which is very useful for end users in the present scenario. The system allows users to optimize the power consumption of the heater which are connected to the residential power network. The heaters are placed over railings for movement as and when required by proximity sensors.

No. of Pages : 13 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	2605/DEL/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/09/2014
APPLICANT NAME	UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
TITLE OF INVENTION	WIRELESS DATA ACQUISITION FOR AGRICULTURAL FIELD THROUGH A WEARABLE DEVICE
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	

PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	03/12/2015
PUBLICATION DATE (U/S 11A)	14/11/2014

Application Status

APPLICATION STATUS

**Application
Awaiting
Examination**

[View Documents](#)

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.2605/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :11/09/2014

(43) Publication Date : 14/11/2014

(54) Title of the invention : WIRELESS DATA ACQUISITION FOR AGRICULTURAL FIELD THROUGH A WEARABLE DEVICE

(51) International classification	:H01Q1/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. Piyush Kuchhal
(32) Priority Date	:NA	Address of Applicant :S/o Mr. B P Gupta, Yamnatri .Enclave
(33) Name of priority country	:NA	Lane # 2 , Sevla Kala, Chandrabani Road Dehradun-248001
(86) International Application No	:NA	Uttarakhand India
Filing Date	:NA	2)Sushabhan Choudhury
(87) International Publication No	: NA	3)Rajesh Singh
(61) Patent of Addition to Application Number	:NA	4)Anita
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)Dr. Piyush Kuchhal
Filing Date	:NA	2)Sushabhan Choudhury
		3)Rajesh Singh
		4)Anita

(57) Abstract :

Present invention relates to a device for collecting information related to field climatic conditions and soil conditions. More particularly present invention relates to a wearable device. The device functions to collect information from the transmitting sections which are deployed in agricultural fields. Transmitter section consist of sensors to collect data from field like temperature/ humidity, soil moisture, water level and quantity of gases present in environment which is useful to the farmer. This invention provides a low cost and low power consumption portable system.

No. of Pages : 13 No. of Claims : 11