3.3.1	Institution has created an ecosystem for innovations, Indian Knowledge System (IKS) including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of technology/knowledge and the outcomes of the same are evident

Technology Development and Transfer

Registrar
Atmiya University
Rajkot

Atmiya University
Rajkot

Technology Transfer for Efficient Green Hydrogen Production

CERTIFICATE NO:
DIPP143481

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

#startupindia

CERTIFICATE OF RECOGNITION

This is to certify that ***GALAXY ECOENERGY PRIVATE LIMITED*** *incorporated as a* ***Private Limited Company*** *on* ***20-08-2023****, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Renewable Energy' Industry and 'Renewable Energy Solutions' sector as self-certified by them.*

This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ **100 Cr.**

24-08-2023	19-08-2033
DATE OF ISSUE	VALID UPTO

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

Application Filing Receipt

Goverment of India
Patent Office
Intellectual Property Office Building,
S.M. Road, Antop Hill,
Mumbai-400037
Phone- 022-24137701,24142026
Fax: 022-24130387
e-mail: mumbai-patent@nic.in

CBR Number : 43944 **CBR date: 26-10-2023**

Application Type: ORDINARY APPLICATION
Priority Number:
Priority Date:
Priority Country: Not Selected

To,
Galaxy EcoEnergy Private Limited
EXCELON IP (Sanjaykumar Patel) 627-Gala Empire, Drive In Road, Thaltej, Ahmedabad, Gujarat 380054

Received documents purporting be to an application for patent numbered 202321072762 dated 26-10-2023 by Galaxy EcoEnergy Private Limited of 6, Khodiyar park, street no. 5, Anandpar-Navagam main road, Rajkot-360003, Gujarat relating to A GENERATION OF GREEN HYDROGEN USING BIOHYBRID MATERIALS together with the Provisional and fee(s) of ₹1600 (One Thousand Six Hundred only).

Note:

1. In case of Patent Application accompanied by a Provisional Specification, a complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 9(1) of the Patent Act, 1970.
2. You may withdraw the application at any time before the grant of patent, if you wish so. If, in addition to withdrawal, you also wish to prevent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing, whichever earlier.
3. If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority of date of filing, whichever is earlier.
4. If you wish to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(B)(4) of the Patent Act, 1970.

(For Controller of Patents)

Registrar
Atmiya University
Rajkot

Atmiya University
Rajkot

Technology Transfer for Eco-friendly Packaging Material

CERTIFICATE NO:
DIPP160849

#startupindia

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

CERTIFICATE OF RECOGNITION

This is to certify that ***MYCOWRAP PACKAGING PRIVATE LIMITED*** *incorporated as a* ***Private Limited Company*** *on* ***09-02-2024****, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Agriculture' Industry and 'Agri-Tech' sector as self-certified by them.*

This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ **100 Cr.**

23-03-2024
DATE OF ISSUE

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Application Filing Receipt

Goverment of India
Patent Office
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S.M. Road, Antop Hill,
Mumbai-400037
Phone- 022-24137701,24142026
Fax: 022-24130387
e-mail: mumbai-patent@nic.in

CBR Number : 24450 **CBR date: 23-05-2024**

Application Type: ORDINARY APPLICATION
Priority Number:
Priority Date:
Priority Country: Not Selected

To,
MYCOWRAP PACKAGING PRIVATE LIMITED
EXCELON IP (Sanjaykumar Patel) 627-Gala Empire, Drive In Road, Thaltej, Ahmedabad, Gujarat 380054

Received documents purporting be to an application for patent numbered 202421040320 dated 23-05-2024 by MYCOWRAP PACKAGING PRIVATE LIMITED of A- 203 Kasumbi Eligance, Opp Rajpath Siesta, Mavdi, Rajkot, Gujarat, India, 360004 relating to A MYCELIUM BASED BIO-PACKAGING MATERIAL together with the Provisional and fee(s) of ₹1600 (One Thousand Six Hundred only).

Note:

1. In case of Patent Application accompanied by a Provisional Specification, a complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 9(1) of the Patent Act, 1970.
2. You may withdraw the application at any time before the grant of patent, if you with so. If, in addition to withdrawal, you also wish to prevent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing, whichever earlier.
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Registrar
Atmiya University
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Rajkot

Technology Developed and IPR filed - Audio-Visual indicator for spilling milk

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/12/2023

(21) Application No.202321085248 A

(43) Publication Date : 23/02/2024

(54) Title of the invention : AUDIO-VISUAL INDICATOR FOR SPILLING MILK

(51) International classification	:G06Q0030080000, A01J0005010000, A61J0009000000, F24C0003120000, A47J0043280000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

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3)Dr. Ashish M. Kothari

Name of Applicant : NA

Address of Applicant : NA

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Address of Applicant :Director-Research, Innovation & Translation, Atmiya University, Yogidham Gurukul, Kalawad Road, Rajkot – 360005 Rajkot ---------- ----------

(57) Abstract :

Audio-Visual indicator for spilling milk The present invention is an automated kitchen device with audio –visual indicator to alert the user before the milk/any liquid spills over while boiling in the form of buzzer. The present invention also provides facility of automatically turning off the gas stove before spilling of the milk. The present invention is flexible with any gas stove and any size of vessels used in the kitchen. The present invention is easy to use and simple in design and thus cost-effective. The present device can be used for any quantity of milk and easy to clean after use. The present invention helps in saving time and also prevents milk wastage by avoiding unnecessary spilling of the milk.

No. of Pages : 18 No. of Claims : 6

The device detects milk levels in a vessel using a water level sensor. It is positioned so that when boiling milk rises and touches the sensor, the sensor generates an analog signal. This signal is sent to an ATtiny85 microcontroller, which triggers a 9V piezoelectric buzzer. The buzzer alerts the user to turn off the stove, serving as an alarm.

The device's edges are adjustable to fit various vessel sizes. It operates on a 9V battery, which is long-lasting. The sensor surface is easily cleaned with a wet cloth, and the apparatus body can be washed after removing the circuit box.

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Rajkot

Atmiya University Rajkot

Technology Developed and IPR Filed - Smart Lighting Systems for Energy Conservation

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/06/2024

(21) Application No.202421045036 A
(43) Publication Date : 19/07/2024

(54) Title of the invention : SMART LIGHTING SYSTEMS FOR ENERGY CONSERVATION

(51) International classification	:H05B0047110000, F21V0023040000, H04N0005330000, H05B0047100000, F21S0002000000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)Dr. Ashish M. Kothari
Address of Applicant :Director-Research, Innovation & Translation, Atmiya University, "Yogidham Gurukul", Kalawad Road, Rajkot – 360005 Rajkot ---------- ----------

(57) Abstract :
Abstract Smart Lighting Systems for Energy Conservation The present invention provides a smart lighting system designed to conserve energy by automatically adjusting illumination based on ambient light conditions and human occupancy. The system includes a Light Dependent Resistor (L) sensor to monitor ambient light levels and a Passive Infrared (P) sensor to detect human motion. An Arduino UNO microcontroller (M) processes the input from these sensors to control a switching module (SM), which activates the lighting only when necessary. The system allows for customizable settings, enabling users to adjust the ambient light threshold and the duration for which the lights remain on after motion detection. This smart lighting system significantly reduces energy wastage, lowers electricity bills, and contributes to environmental sustainability. It is versatile and applicable in various indoor and outdoor environments, such as staircases, parking areas, building lobbies, halls, porches, decks, and backyards. Figure 1

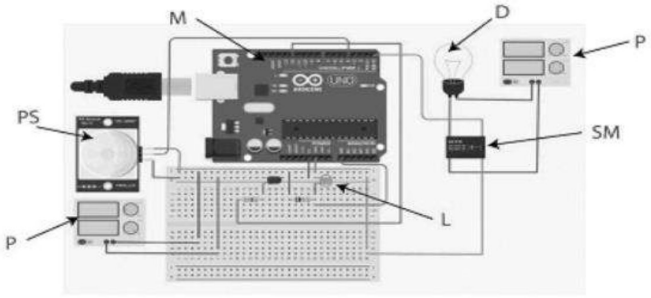
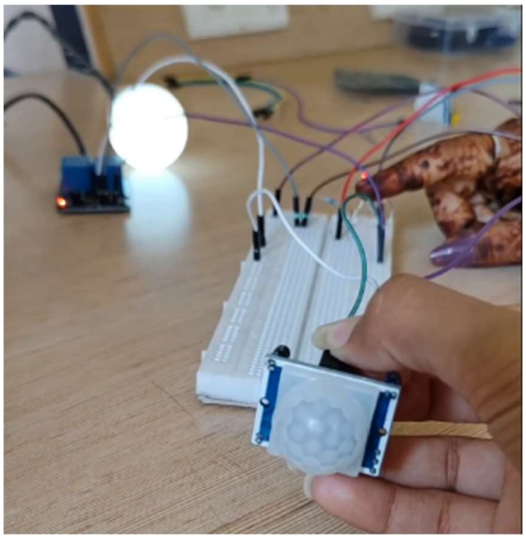


Figure 1 shows diagram of smart lighting system



This invention presents a system aimed at energy conservation by activating lights only when necessary, thereby contributing to energy savings and mitigating global warming. The system utilizes a Light Dependent Resistor (LDR) sensor for monitoring ambient light intensity and a Passive Infrared (PIR) sensor for detecting human motion. An Arduino UNO microcontroller acts as the central processing unit, integrating inputs from both sensors to determine the appropriate timing for activating the switching module and illuminating the lights. Additionally, the system features an adjustable predefined time period during which the lights remain on after motion detection. Continuously operational as long as power is supplied, the system offers efficient lighting control based on ambient conditions and human presence, facilitating significant energy conservation efforts.

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Technology Developed - Conversion of Regular Dustbin to Smart Dustbin

A regular dustbin can be converted into a smart dustbin by integrating sensors and microcontrollers. Using an ultrasonic sensor, the bin detects nearby motion or hand gestures to automatically open the lid, ensuring hygienic waste disposal. Additional features like fill-level sensors and alerts for timely emptying could also enhance efficiency and cleanliness.

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