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एकस्व/PATENTS|अभिकल्प/DESIGNS|
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उपदर्शन/GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार

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एकस्व कार्यालय /THE PATENT OFFICE
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सं.संख्या/Ref.No /आवेदन संख्या/Application No/ 202111009268

दिनांक/Date of Dispatch/Email: 03/11/2022

सेवा में,/To

MALHOTRA RAJAT,

Ideas2IPR B-115 Chander Nagar, Janak Puri, New Delhi-110058.

Email : mail@ideas2ipr.com

विषय: एकस्व अधिनियम, 1970 की धारा 12 व 13 तथा एकस्व नियम, 2003 के अधीन परीक्षण रिपोर्ट

Subject: Examination report under sections 12 & 13 of the Patents Act, 1970 and the Patents Rules, 2003.

1. उपर्युक्त आवेदन के संदर्भ में परीक्षण रिपोर्ट (अर्थात, एकस्व नियम, 2003 (यथा संशोधित) के नियम 24-ख(3) में विनिर्दिष्ट आपत्तियों का प्रथम कथन) इसके साथ संलग्न है। यह रिपोर्ट परीक्षण हेतु अनुरोध दिनांक 08/03/2021 के उत्तर में जारी की गयी है। परीक्षण रिपोर्ट का उत्तर दाखिल करने की अंतिम तिथि (अर्थात, इस रिपोर्ट में लगाई गयी सभी आवश्यकताओं के अनुपालन की अवधि) आवेदक को आपत्तियों का प्रथम कथन जारी होने की तिथि से छः माह है।

Please find enclosed herewith an Examination Report (i.e. a first statement of objections as specified in Rule 24-B(3) of The Patents Rules, 2003 (as amended)) in respect of above-mentioned application. This report is issued with reference to a request for examination dated 08/03/2021. The last date for filing a response to the Examination Report (i.e. a period to comply with all the requirements raised in this examination report) is six months from the date on which the first statement of objections is issued to the Applicant.

2. यदि रिपोर्ट के अंतर्गत लगाई गयी आवश्यकताओं का अनुपालन एकस्व नियम, 2003 (यथा संशोधित) के नियम 24 ख(5) में विनिर्दिष्ट अवधि के भीतर अंदर अनुपालन नहीं किया गया तो एकस्व अधिनियम 1970 की धारा 21(1) के अधीन वर्तमान आवेदन को परित्यक्त माना जाएगा।
The instant application shall be deemed to have been abandoned under Section 21(1) of The Patents Act, 1970, unless all the requirements raised in this report are complied with in the period as specified in Rule 24-B (5) of The Patents Rules, 2003 (as amended).

3. आपका ध्यान एकस्व नियम, 2003 के नियम 24 ख(6) के प्रावधानों की ओर भी आमंत्रित किया जाता है।
Your attention is also invited to the provisions of Rule 24-B (6) of the Patents Rules 2003.

4. आपको सलाह दी जाती है कि शीघ्र निपटान हेतु अपना उत्तर शीघ्र प्रस्तुत करें।
You are advised to file the reply at the earliest for early disposal.

Sandeep Kumar
नियंत्रक पेटेंट/ Controller of Patents

संलग्न/Enclosed: अपरोक्त अनुसार/As above

टिप्पणी: यह इलेक्ट्रॉनिक रूप से उत्पन्न रिपोर्ट है।

NOTE: This is an electronically generated report.

सभी पत्राचार नियंत्रक एकस्व को उपरोक्त पते पर भेजा जाये।

All communications should be sent to the Controller of Patents at the above mentioned address.

परीक्षण रिपोर्ट / Examination Report

आवेदन संख्या /Application Number	202111009268
दाखिल करने की तिथि /Date of Filing	05/03/2021
पूर्विका दिनांक /Date of Priority	--
पीसीटी अंतर्राष्ट्रीय आवेदन की संख्या व दिनांक / PCT International Application No. & Date	--
आवेदक /Applicant	THE LNM INSTITUTE OF INFORMATION TECHNOLOGY
परीक्षण हेतु अनुरोध की संख्या व दिनांक /Request for Examination No. & Date	R20211007406 08/03/2021
प्रकाशन की तिथि /Date of Publication	07/10/2022

इस परीक्षण रिपोर्ट के चार भाग हैं, अर्थात रिपोर्ट का सारांश, विस्तृत तकनीकी रिपोर्ट, औपचारिक आवश्यकताएँ तथा रिकॉर्ड में दस्तावेज़ / This examination report consists of four parts, namely summary of the report, detailed technical report, formal requirements and documents on record.

भाग -1: रिपोर्ट का सारांश

PART-I: SUMMARY OF THE REPORT

क्र. सं. /Sl. No.	अधिनियम के तहत आवश्यकताओं पर विस्तृत टिप्पणियाँ /Requirements under the Act	दावों की संख्या /Claim Numbers	टिप्पणी /Remarks
1.	धारा 2(1)(ग) के तहत आविष्कार /Invention u/s 2(1)(j)	नवीनता /Novelty	दावे /Claims: हाँ /Yes
		आविष्कारी कदम / Inventive step	दावे /Claims: 1-10 नहीं /No
		औद्योगिक उपयोगिता /Industrial Applicability	दावे /Claims: 1-10 हाँ /Yes
			दावे /Claims: नहीं /No
2.	[धारा 10(5) व 10(4) (ग)] के अधीन दावे /Claims [u/s 10(5) & 10(4) (c)]	स्पष्टता/ संक्षिप्तता /Clarity / Conciseness	दावे /Claims: हाँ /Yes
			दावे /Claims: 1-10 नहीं /No

भाग -II विस्तृत तकनीकी रिपोर्ट

PART-II: DETAILED TECHNICAL REPORT

क. उद्धरित दस्तावेजों की सूची /A.List of documents cited:

(क) पेटेंट साहित्य / (a). Patent Literature :

क्र. सं. / Sl.no	दस्तावेजों का विवरण /Details of documents	प्रकाशन तिथि(दिन/माह/वर्ष) / Publication date	उद्धरित दस्तावेज का प्रासंगिक विवरण (पृष्ठ व अनुच्छेद संख्या) / Relevant description (page and paragraph no.) of cited document	उद्धरित दस्तावेज के प्रासंगिक दावे / Relevant claims of cited document	अभिकथित आविष्कार के दावे /Claims of alleged invention
1	D1 : CN212569978U	19/02/2021	description, fig. 1-2	1-4	1-10

(ख) गैर-पेटेंट साहित्य / (b). Non-patent literature

क्र. सं. / Sl.no	दस्तावेजों का विवरण /Details of documents	प्रकाशन तिथि(दिन/माह/वर्ष) /Publication date	उद्धरित दस्तावेज का प्रासंगिक विवरण (पृष्ठ व अनुच्छेद संख्या) /Relevant description (page and paragraph no.) of cited document	अभिकथित आविष्कार के दावे /Relevant claims of cited document	अभिकथित आविष्कार के दावे /Claims of alleged invention
1	D2 : "IOT BASED HOME SAFETY GAS LEAKAGE DETECTION AND AUTOMATIC BOOKING SYSTEM", Dr.Suma Christal Mary, Dr.Josphine Leela, Dr.Vedhapriyavadhana, Dr.Ignisha Rajathi	01/02/2021	fig. 1	-	1-10
2	D3 : "IOT Based Automatic LPG Gas Booking And Leakage Detection System", Ravi Kishore Kodali, Tirumala Devi B, Sasweth C. Rajanarayanan	01/01/2019	fig. 1, pages 338-341	-	1-10
3	D4 : "IoT based Automatic LPG Gas Booking and Leakage Detection", Miss. Nita Dhuma, Mr. Swapnil Kulkarni, Mr. Nilesh Phadtare	01/03/2020	fig. 1, pages 4558-4562	-	1-10
4	D5 : "IoT based system for detection of gas leakage and house fire in smart kitchen environments", Marjan Ralevski, Biljana Risteska Stojkoska	06/11/2019	fig. 1	-	1-10
5	D6 : "GAS LEAKAGE DETECTION AND SMART ALERTING SYSTEM USING IOT", Shital Imade, Priyanka Rajmanes, Aishwarya Gavali, Prof. V. N. Nayakwadi	01/02/2018	pages 291-297	-	1-10

ख. अधिनियम के तहत आवश्यकताओं पर विस्तृत टिप्पणियां /B. Detailed observations on the requirements under the Act:

(1).नवीनता / NOVELTY:

(I) ऊपर उद्धरित दस्तावेज के संदर्भ (1-10) में दिये गए प्रकटन के पूर्वानुमान को ध्यान में रखते हुए, निम्नलिखित कारणों से दावा(वों) (1-10) में नवीनता की कमी है /

Claim(s) (1-10) lack(s) novelty, being anticipated in view of disclosure in the document cited above under reference D1 for the following reasons:

Claims 1-10, lack novelty under section 2(1)(j) of the Patents Act, 1970 (as amended) in view of document D1:

D1 : CN212569978U ; Publication date : 19/02/2021

Regarding claim 1 D1 discloses an IOT based smart home gas leakage prevention system (D1: title), the system

comprising: a sensor module (D1: a gas leakage detection window 3 in fig. 1) operatively coupled to a knob of a gas stove, wherein said sensor module consists of a weight sensor which is configured to detect a weight being placed over said stove for cooking, wherein said sensor module also consists of a gas sensor which is coupled to said knob of said stove and is configured to detect an unwanted smell of gas during said cooking process; a recording unit (D1: camera 4 in fig.1) operatively coupled to said stove and wired and/or wirelessly coupled to said sensor module and said knob, wherein said recording module comprises a camera device (D1: camera 4 in fig.1) which is configured to detect a user standing within a specific distance from said stove; an alarm module (D1: description, ...buzzer alarm module) coupled to said sensor module, wherein said alarm module is configured to alert said user when said sensor module detects said unwanted smell of gas; a user interface (D1: description, ...a single chip microcomputer, a terminal device) communicatively and operatively coupled to said knob and said sensor module via a communication channel, wherein said user interface is configured to receive an input signal from said sensor module and said user interface upon receiving said signal is configured to turn said knob in on and off position, wherein when said weight sensor of said sensor module detects a weight over said stove below a specific threshold limit, said sensor transmits a signal to said user interface and said knob, and in-real time when said camera device detects that no user is present within said specific distance from said stove, said recording module transmits a signal to said knob about no-user detection and thereby to turn said stove in off condition, wherein when said gas sensor detects said unwanted smell of gas from said stove, it transmits said signal to said knob in order to turn said stove in off condition. Therefore the aforementioned claim is not novel.

The same reasoning is applied to the subject matter of claim 10. Therefore the aforementioned claim is not novel.

The subject matter of claims 2-9 is also disclosed in (D1: fig. 1-2). Therefore the aforementioned claims are also not novel.

Hence the claims 1-10 lack novelty under section 2(1)(j) of the Patent Act 1970(as amended).

(2).आविष्कारी कदम / INVENTIVE STEP:

(I) ऊपर उद्धरित दस्तावेज़(जों) के संदर्भ D2 - D6 में स्पष्ट अध्यापन(जों) को ध्यान में रखते हुए, निम्नलिखित कारणों से दावा(जों) (1-10) में आविष्कारी कदम की कमी है

Claim(s) (1-10) lack(s) inventive step, being obvious in view of teaching (s) of cited document(s) above under reference D2 - D6 for the following reasons:

Claims 1-10, lack inventive step under section 2(1)(ja) of the Patents Act, 1970 (as amended) in view of following documents:

D2 : "IOT BASED HOME SAFETY GAS LEAKAGE DETECTION AND AUTOMATIC BOOKING SYSTEM", Dr.Suma Christal Mary, Dr.Josphine Leela, Dr.Vedhapriyavadhana, Dr.Ignisha Rajathi; Publication date : 01/02/2021, Retrieved from internet : <https://www.psychosocial.com/article/PR320063/37994/>

D3 : "IOT Based Automatic LPG Gas Booking And Leakage Detection System", Ravi Kishore Kodali, Tirumala Devi B, Sasweth C. Rajanarayanan ; Publication date : 01/01/2019

D4 : "IoT based Automatic LPG Gas Booking and Leakage Detection", Miss. Nita Dhuma, Mr. Swapnil Kulkarni, Mr. Nilesh Phadtare; Publication date : 01/03/2020

D5 : "IoT based system for detection of gas leakage and house fire in smart kitchen environments", Marjan Ralevski, Biljana Risteska Stojkoska ; Publication date : 06/11/2019

D6 : "GAS LEAKAGE DETECTION AND SMART ALERTING SYSTEM USING IOT", Shital Imade, Priyanka Rajmanes, Aishwarya Gavali, Prof. V. N. Nayakwadi ; Publication date : 01/02/2018

Regarding claim 1 D2 discloses an IOT based smart home gas leakage prevention system, the system comprising: a sensor module (D2: various sensors in fig. 1) operatively coupled to a knob of a gas stove, wherein said sensor module consists of a weight sensor (D2: load cell in fig. 1) which is configured to detect a weight

being placed over said stove for cooking, wherein said sensor module also consists of a gas sensor (D2: LPG gas sensor in fig. 1) which is coupled to said knob of said stove and is configured to detect an unwanted smell of gas during said cooking process; a recording unit (D2: PIR sensor in fig. 1) operatively coupled to said stove and wired and/or wirelessly coupled to said sensor module and said knob, wherein said recording module comprises a camera device which is configured to detect a user standing within a specific distance from said stove (D2: page 755, PIR sensor also placed in the home to notify about the human presence); an alarm module (D2: buzzer in fig. 1) coupled to said sensor module, wherein said alarm module is configured to alert said user when said sensor module detects said unwanted smell of gas; a user interface (D2: GSM/WiFi in fig. 1) communicatively and operatively coupled to said knob and said sensor module via a communication channel, wherein said user interface is configured to receive an input signal from said sensor module and said user interface upon receiving said signal is configured to turn said knob in on and off position, wherein when said weight sensor of said sensor module detects a weight over said stove below a specific threshold limit, said sensor transmits a signal to said user interface and said knob, and in-real time when said camera device detects that no user is present within said specific distance from said stove, said recording module transmits a signal to said knob about no-user detection and thereby to turn said stove in off condition, wherein when said gas sensor detects said unwanted smell of gas from said stove, it transmits said signal to said knob in order to turn said stove in off condition. Similarly Documents D3(fig. 1, pages 338-341), D4(fig. 1, pages 4558-4562), D5(fig. 1) and D6 (pages 291-297) also discloses features of claim 1. Since D2-D6 belong to the same field of invention, a person skilled in the art would combine the teachings of these documents to arrive at the subject matter of claim 1. Therefore, the aforementioned claim does not meet the requirement of section 2(1)(ja) of the Patent Act 1970(as amended).

The same reasoning is applied to the subject matter of claim 10. Therefore, the aforementioned claim does not meet the requirement of section 2(1)(ja) of the Patent Act 1970(as amended).

The feature contained in claims 2-9 is either explicitly or implicitly known from documents D2 or D3 or D4 or D5 or D6 or concern conventional measures in the art, or are some of the many obvious options from which a person skilled in the art seeking to solve the stated problem would choose, according to the circumstances without exercising inventive skill. Therefore, the aforementioned claims do not meet the requirement of section 2(1) (ja) of the Patents Act, 1970(as amended).

Hence, it may be said that the present claims 1-10 do not meet the requirements of section 2(1)(ja) of The Patents Act, 1970 (as amended) in view of document D2-D6.

(3).प्रकटन की दक्षता /SUFFICIENCY OF DISCLOSURE:

(4).स्पष्टता एवं संक्षिप्तता /CLARITY AND CONCISENESS:

(I) दावा(वे) 1-10 के संबंध में स्पष्ट रूप से परीभाषित नहीं हैं।

Claim(s) 1-10 are not clearly worded in respect of:

1. The distinguishing feature between the prior art and the alleged invention is not clear. Hence the novel and inventive features shall be characterized in the independent/principal claim to define the scope of the invention clearly and to make the invention non-obvious to the person skilled in the art.

2. The application does not meet the requirements of section 10(4)(c) of the Patent Act 1970 (as amended), because claims 1-10 are not clear. Claim 1 refers to "smart home gas leakage prevention system". The word "smart" does not disclose any technical feature of the invention.

भाग – III: औपचारिक आवश्यकताएँ /PART-III: FORMAL REQUIREMENTS

आपत्तियाँ /Objections	टिप्पणी /Remarks
	Proof of right dated 24/12/2021 has not been filed within the prescribed period

THE PATENT OFFICE

Endorsement by /Assignment from Inventor	rule 10 of the Patents Rules, 2003. It is an irregularity in procedure of filing of a patent application u/r 137 of the Patent Rules 2003. A petition u/r 137 shall be filed to condone the delay in filing.
Power of Attorney (Whether GPA, SPA, Stamped, requisite fee etc.)	Form 26 dated 24/12/2021 has not been filed within three months of filing of application as per the requirement of rule 135 of the Patents Rules, 2003. It is an irregularity in procedure of filing of a patent application u/r 137 of the Patent Rules 2003.
Format of Specification (rule 13)	Title of the invention does not meet the requirement of rule 13(7)(a) of the Patents Rules, 2003 with respect to term "smart" as it does not disclose the specific features of the invention.

भाग-IV: रिकॉर्ड में दस्तावेज़ /PART-IV: DOCUMENTS ON RECORD

निम्नलिखित दस्तावेज़ों के आधार पर यह परीक्षण रिपोर्ट तैयार की गयी है

The examination report has been prepared based on the following documents:

कार्यसूची तिथि / Docket Date	कार्यसूची संख्या /Docket Number	प्रविष्टि संख्या विवरण /Entry Number Description
05 Mar 2021	22530	1-New Application For Patent With Provisional /Complete Specification
08 Mar 2021	23010	28(i)-Request For Examination After 18 months Publication - Form 18
24 Dec 2021	135837	45-Form Of Authorisation Of Patent Agent - Form 26
24 Dec 2021	135838	Proof of Right

नियंत्रक का नाम /Name of the Controller: Sandeep Kumar

नियंत्रक स्थान /Controller Location: Delhi

टिप्पणी: परीक्षण रिपोर्ट का उत्तर दाखिल करने की अंतिम तिथि / Note: Last date for filing response to the Examination Report: 03/05/2023

Controller General of Patents, Designs & Trade
Marks



सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
RECEIPT



Docket No 22530

Date/Time 2021/03/05 15:42:08

To
MALHOTRA RAJAT

UserId: ideas2ipr

Ideas2IPR, B-115 Chander Nagar, Janak
Puri, New Delhi-110058

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202111009268	TEMP/E-1/10291/2021-DEL	8000	7658	FORM 1	IOT BASED SMART HOME GAS LEAKAGE PREVENTION SYSTEM

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000770171	Online Bank Transfer	0503210007272	8000.00	1475001020000001

Total Amount : ₹ 8000

Amount in Words: Rupees Eight Thousand Only

Received from MALHOTRA RAJAT the sum of ₹ 8000 on account of Payment of fee for above mentioned Application/Forms.

* This is a computer generated receipt, hence no signature required.

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Fwd: 202111009268: IOT BASED SMART HOME GAS LEAKAGE PREVENTION SYSTEM

Dr. Abhishek Sharma <abhisheksharma@lnmiit.ac.in>

Fri, Mar 5, 2021 at 5:52 PM

To: "Institutional Data Analytics, Accreditation and Ranking Cell" <idaar@lnmiit.ac.in>

Dear IDAAR,

Please find the patent filed today me as a Inventor.

This is for your kind information.

Regards
Abhishek

----- Forwarded message -----

From: **Filing Team Ideas2IPR** <filings@ideas2ipr.com>

Date: Fri, Mar 5, 2021, 4:14 PM

Subject: 202111009268: IOT BASED SMART HOME GAS LEAKAGE PREVENTION SYSTEM

To: Dr. Abhishek Sharma <abhisheksharma@lnmiit.ac.in>

Cc: Rajat Malhotra <rajat@ideas2ipr.com>, Ideas2IPR Tracker <ipo@ideas2ipr.com>

Dear Sir:

We would like to inform you that the complete application has been filed with the Indian Patent Office on **March 05, 2021**. In this regard, please find enclosed herewith a copy Official Filing Receipt and indicating the application no. as **202111009268** and as filed documents for your reference and records.

Formal Requirements:

Please note that there are other formal requirements to be complied within a prescribed time period from the date of filing of the Indian Application:

1. The applicant is required to submit Power of Authority (PoA-Form 26) in original within 3 months from the date of filing of the Application in India i.e. by **June 05, 2021**. We request you send us signed copy of (PoA) as enclosed in original. **No legalization or notarization is required.**
2. The applicant is required to submit proof of right from the inventors to the Applicant. In this regard, please get the enclosed Form 1 signed by the inventors and provide us executed Form 1 in original. The executed Form 1 is to be submitted within 6 months of the filing date i.e. by **September 05, 2021**.

Please send the original documents to:

Rajat Malhotra
c/o Ideas2IPR,
B-115 Chander Nagar,
Janak Puri, New Delhi-110058
Ph: +91-9891016781

3. The deadline to file applications outside India is 12 months from the date of filing i.e. by **March 05, 2022**. Accordingly, please let us know if you wish to file the application in any jurisdiction

outside India.

4. Please be advised that the deadline to file a Request for Examination (RFE) for the above matter is 48 months from the date of filing i.e. by **March 05, 2025**. Accordingly, let us have your instructions in this regard. The earlier the request for examination is filed, the earlier the application shall be examined and registered.

We request you to kindly provide us the required information and document before the prescribed timelines.

In the meantime, please let us know if we can be of further assistance to you.

Filing Team

On Behalf of
Rajat Malhotra
Principal Consultant
Ideas2ipr – Intellectual Property Consultants | INDIA
Mobile: 91 991 022 2350 | Office: 91 989 101 6781
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