



**INTELLECTUAL
PROPERTY INDIA**

एकस्व/PATENTS|अभिकल्प/DESIGNS|

व्यापार चिह्न/TRADE MARKS|भौगोलिक

उपदर्शन/GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

एकस्व कार्यालय / THE PATENT OFFICE

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सं.संख्या/Ref.No /आवेदन संख्या/Application No/ 201641037331

दिनांक/Date of Dispatch/Email: 27/10/2020

सेवा मे, /To

SATHYABAMA UNIVERSITY,

SATHYABAMA UNIVERSITY, JEPPIAAR NAGAR, RAJIV GANDHI ROAD, CHENNAI-600 119, TAMILNADU, INDIA.

Email : dawnsudha@yahoo.com, registrar@sathyabamauniversity.ac.in

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 (अर्थात्, 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 01/11/2016 के उत्तर में जारी की गयी है। परीक्षण रिपोर्ट का उत्तर दाखिल करने की अंतिम तिथि (अर्थात्, 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 01/11/2016. 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.

Pothineni Srinivasa Rao

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	201641037331
दाखिल करने की तिथि /Date of Filing	01/11/2016
पूर्विका दिनांक /Date of Priority	--
पीसीटी अंतर्राष्ट्रीय आवेदन की संख्या व दिनांक / PCT International Application No. & Date	--
आवेदक /Applicant	SATHYABAMA UNIVERSITY
परीक्षण हेतु अनुरोध की संख्या व दिनांक /Request for Examination No. & Date	R20164031289 01/11/2016
प्रकाशन की तिथि /Date of Publication	04/05/2018

इस परीक्षण रिपोर्ट के चार भाग हैं, अर्थात् 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)(g)	नवीनता /Novelty	दावे /Claims:
		दावे /Claims: 1-10	हाँ /Yes
		दावे /Claims: 1-10	नहीं /No
		आविष्कारी कदम / Inventive step	दावे /Claims:
		दावे /Claims: 1-10	हाँ /Yes
		दावे /Claims: 1-10	नहीं /No
2.	धारा 3 के अधीन पेटेंट-अयोग्यता (यदि हाँ, खंड 3(क-त) /Non-patentability u/s 3 (if yes, specify section 3(a-p))	दावे /Claims: 1-10	हाँ /Yes
		दावे /Claims:	d नहीं /No
3.	धारा 4 के अधीन पेटेंट-अयोग्यता /Non-patentability u/s 4	दावे /Claims:	हाँ /Yes
		दावे /Claims: 1-10	नहीं /No
4.	धारा 10 (5) के अधीन आविष्कार की एकलता /Unity of invention u/s 10 (5)	दावे /Claims:	हाँ /Yes
		दावे /Claims: 1-10	नहीं /No
5.	धारा 10(4) के अधीन प्रकटन की दक्षता (हाँ/नहीं निर्दिष्ट करें) /Sufficiency of disclosure u/s 10 (4) (Specify Yes/No)	yes	
6.	सह-लंबित / विदेशी आवेदन (नों) हेतु आवश्यक संदर्भ (हाँ/नहीं निर्दिष्ट करें) /Reference to co-pending/foreign application(s) required (Specify Yes/No)	no	
7.	[धारा 10(5) व 10(4) (ग)] के अधीन दावे /Claims [u/s 10(5) & 10(4) (g)]	स्पष्टता/ संक्षिप्तता /Clarity / Conciseness	दावे /Claims:
		दावे /Claims: 1-10	हाँ /Yes
		परिभाषिकता /Definitive	दावे /Claims:
		दावे /Claims: 1-10	हाँ /Yes
		विवरण द्वारा समर्थित /Supported by description	दावे /Claims:
		दावे /Claims: 1-10	हाँ /Yes
		क्षेत्र /Scope	दावे /Claims:
		दावे /Claims: 1-10	हाँ /Yes

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 प्रसंगिक विवरण (पृष्ठ व अनुच्छेद संख्या) / Relevant description (page and paragraph no.) of cited document	उद्धरित दस्तावेज के प्रसंगिक दावे / Relevant claims of cited document	अभिकथित आविष्कार के दावे /Claims of alleged invention
1	D1: CN1290623A	11/04/2001	Whole Document	Claim 1-4	Claim 1-10
2	D2: JP11333497A	07/12/1999	Whole Document	Claim 1-8	Claim 1-10
3	D3: CN205530497U	31/08/2016	Whole Document	Claim 1-6	Claim 1-10

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

कोई दस्तावेज उद्धृत नहीं है /No Document Cited

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 2(1)(j) for the following reasons:

Document D1 discloses : the system consists of a waste water filter barrel 5 and the water drum 8 a, waste water filtering bucket 5 is arranged in the washroom ground 4 on, accept waste washing water, and the height of the waste water discharge should be lower than the wash basin. Waste water filtering bucket 5 arranged on the upper part 3 a basket 2, the basket body again open mesh. Top-down, article 2 basket is laid in the sponge, paragraph 3 basket is laid in the activated carbon fiber. The basket is even with the inner wall of the various independent coupling, can be taken out of the free from the barrel, in order to pour out filtrate. Waste water filtering bucket 5 is arranged on the upper part of the UQK - 01 type float level control valve 3, and out of the barrel of the and 15 SG type pipeline booster pump 7 connected, when the waste water to a certain when the lifting of the water level, the control valve can control the start of the booster pump. Pipeline booster pump 7 are respectively connected with the waste water filtering bucket 5 the lower part of the drain pipe 6 and to the water drum 8 of the hearth 16 is connected. Washing waste water through the waste pipe 1 flows through the basket 2. The water drum 8 is installed in the toilet, as closet high-level water tank, and the upper part is equipped with overflow pipe 15, through to mop washing pool 17, for timely discharge drum 8 in excessive waste water, its bottom end is equipped with two with switch 9, 11 of the shunt tube 12, 10, shunt tube 12 is communicated with the bowl, a shunt tube 10 through the

mop washing pool 17 and a drain outlet 18, drain 18 through train outside the vehicle body. The water drum is provided with a liquid level gauge 13, the upper part of the barrel is provided with a clear water pipe 14.

(2).आविष्कारी कदम / INVENTIVE STEP:

(I) ऊपर उद्धरित दस्तावेज़(जों) के संदर्भ 2(1)(ja) में स्पष्ट अध्यापन(जों) को ध्यान में रखते हुए, निम्नलिखित कारणों से दावा(वों) (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 2(1)(ja) for the following reasons:

Document D2 discloses : A self-completed circulation type waste fluid purifying unit 1 used in such a state that a machinery such as a toilet bowl or the like is attached and repeating circulation such that the waste fluid after the use of the machinery is purified to be supplied to the machinery to be reused is equipped with a waste fluid treatment apparatus 4 for purifying the waste fluid from the machinery attached to the surface of a unit panel, the washing soln. storage tank 5 receiving the treated soln. supplied from the waste fluid treatment apparatus to supply the same to the machinery as a washing soln. and a treatment soln. amt. control apparatus 6 removing the liquid or moisture excessively supplied to the unit by evaporation or recovering moisture evaporated in the processing process to control the treatment soln. amt. in the unit.

Document D3 discloses : a waste water recycling system, include the drain pipe, locate the water catch bowl of drain pipe export, for secondary wetting system, locate the water catch bowl with high flush tank and controlling means for the secondary between the wetting system, the water catch bowl with be connected with the elevator pump through the riser between the high flush tank, the elevator pump with controlling means is connected, the water catch bowl is equipped with first liquid level sensing device, first liquid level sensing device with controlling means is connected, high flush tank is equipped with second liquid level sensing device, second liquid level sensing device with controlling means is connected, high flush tank with be connected with the outlet pipe for the secondary between the wetting system. This waste water recycling system can with public place and family wash waste water reuse, be used for washing the lavatory, practice thrift the water resource, more saved the water expenditure

(3).पेटेंट अयोग्यता /NON PATENTABILITY:

(I) निम्नलिखित कारणों से धारा 3 के खंड (d) के प्रावधान के तहत दावा(वे) (1-10) सांविधिक रूप से पेटेंट योग्य नहीं हैं /

Claim(s) (1-10) are statutorily non-patentable under the provision of clause (d) of Section 3 for the following reasons:

Without prejudice to above objections subject matter of claim as filed in the instant application falls within scope of clause (d) of section (3) of the Patents Act, 1970 (as amended). Therefore invention claimed in said claims is not patentable. Claims are use claim of the known devices/inventions and do not recite any new technical features.

(4).आविष्कार की एकलता /UNITY OF INVENTION:

(I) दावा(वों) 1-10 में आविष्कार की एकलता की कमी है क्योंकि दावे किसी एक आविष्कार या आविष्कारों का समूह जो मिलकर एक आविष्कारी संकल्पना की संरचना करें उससे संबंधित नहीं हैं। Claim(s) 1-10 lack(s) unity of invention as the claims do not relate to a single invention or to a group of inventions linked so as to form a single inventive concept:

The plurality of independent claims in the same category with different - though overlapping - scope, makes it practically impossible to determine the matter for which protection is sought and places an undue burden on others seeking to establish the extent of the protection. Moreover, it is difficult to establish what features are essential to the invention. Therefore the claims as a whole are not clear, contrary to section 10(5) of the Patents Act 1970 (as amended). In view of the plurality of independent set of claims, the nature & scope of the alleged

invention cannot be clearly understood.

(II) इस आवेदन का दावा (के दावे) सह-लंबित आवेदन संख्या के दावे के परस्पर विरोध में है।
Claim(s) of the instant application conflict(s) with claim(s) of co-pending application no.

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

(I) दावा(वे) 1-10 विनिर्देश में प्रकट विषय पर आधारित नहीं हैं अथवा निम्नलिखित कारणों से विनिर्देश में प्रकटन द्वारा समर्थित नहीं हैं।
Claim(s)'1-10' are not fairly based on the matter disclosed in the specification or not supported by the disclosure in the specification for the following reasons:

Features of claims 1-10 are not properly supported by the detailed description portion of the specification. The features recited in the claims 1 to 10 also should be explicitly described in the detailed description portion for proper enablement of the subject matter claimed and to define best mode and embodiments of invention clearly u/s 10 of the Act. Mere repetition of the claim wording in objective of invention and/or mere inherent illustrations in drawings is not enough.

Support in originally filed description should be provided for the feature

"train compartment wash basin" as claimed in claim 1,

"outer rigid pipe" and "cylindrical pipe mesh" and "truncated inlet" as claimed in claim 2,

and "inclined pipe" and "controlled valve" as claimed in claim 3,

and "two tank" as claimed in claim 4,

and "two rigid plate" and "three zone" as claimed in claim 5,

and "retractable rectangular trough" and "rigid plates " as claimed in claim 6 and 7 and 8,

and "patterned perforations" as claimed in claim 9,

and "pump" as claimed in claim 10,

(II) विनिर्देश पूर्णतया: व विशेषकर आविष्कार तथा इसके संचालन तथा विधि के निष्पादन के संबंध में विवरण नहीं देते हैं।
The complete specification does not fully and particularly describe the invention and its operation and the method by which it is to be performed in respect of:

The claims and the complete specification should fully and particularly describe the invention and its operation or use and the method by which it is to be performed as per the section 10(4)(a) of The patent act 1970(as amended). It also should disclose the best method of performing the invention which is known to the applicant and for which he is entitled to claim protection as per the section 10(4)(b) of The patent act 1970(as amended).

(III) सार /Abstract:

The abstract shall contain a concise summary of the matter contained in complete specification. The summary shall indicate clearly the technical field to which the specification belongs, technical problem to which the invention relates and the solution to problem through the invention and principal use or uses of the invention in accordance with rule 13(7) (b) of The Patents Rules, 2003(As amended).2.The abstract accompanying the specification shall commence with same title as mentioned in complete specification in accordance with rule 13(7) (a) of The Patents Rules, 2003(As amended).3.Each main feature mentioned in the abstract and illustrated by a

drawing shall be followed by the reference sign used in that drawing in accordance with rule 13(7) (d) of The Patents Rules, 2003(As amended).4.The applicant shall indicate on the abstract the figure, or exceptionally, the figures of the drawings which may accompany the abstract when published in accordance with rule 13(7) (d) of The Patents Rules, 2003(As amended).

(IV) आविष्कार का शीर्षक /Title of Invention:

Title is inconsistent with description and claims.

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

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

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

Principal claim 1 is not precisely worded and is not defining the invention clearly. The claim is verbose with multiple embodiments/possibilities provided for features of invention. Therefore claim should be amended and/or corrected suitably to define the subject matter of invention properly by avoiding irrelevant features and/or multiple embodiments for a given feature of invention.

Principal claim 1 is not defining the invention clearly, hence the nature & scope of the alleged invention cannot be clearly understood.The statement of the claims, therefore, should be amended so that “essential features/steps” if any should be incorporated in the principal claim and subsidiary features/ steps if any should be incorporated in subsequent claims, for the clear understanding of the scope of the alleged invention.

(8).परिभाषिकता /DEFINITIVENESS:

(I) दावा(ते)1-10 निम्नलिखित कारणों से आविष्कार को पर्याप्त रूप से परीभाषित नहीं करता(ते) हैं

Claim(s) 1-10 do not sufficiently define the invention for the reasons as follows:

Claims are not properly worded as features are not sufficiently given in claims.

(9).अन्य आवश्यकताएँ /OTHERS REQUIREMENTS:

(I)

The statement of claims should be prefaced with the words “We claim”.

Reference numerals should be inserted in the parentheses of features of claims to enhance the intelligibility of claims as per rule 13(4) of the Act.

Inventive step/feature should be characterized in claim 1 under the clause “characterized in that” so as to be clear and succinct as per section 10.

The applicant is requested to clearly identify/mark the amendments carried out (if any) in a separate copy (from the originally filed set); irrespective of either they concern amendments by addition, correction, replacement or deletion in the specification as per the rule 14(2) of The Patents Rules 2003(as amended).

Retyped pages of the specification (including changes made in claim page) sheets should be submitted in duplicate wherever correction/amendment is carried out. While amending the specification, no new matter should be added beyond the scope of protection originally disclosed.

THE PATENT OFFICE

Claims are in multiple sentences instead of single sentence.

Preamble of claims is not proper.

Claims are not properly worded.

Form-2 is not according to the Patents Rules 2003.

Drawings should be filed separately from description.

Extraneous matter in inventors names should be deleted and full name of inventors should be given.

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

आपत्तियाँ /Objections	टिप्पणी /Remarks
Statement & Under Taking (Form 3 Details)	Latest status of foreign filing particulars, if any, should be communicated to this office at the earliest. Details regarding application for Patents which may be filed outside India from time to time for the same or substantially the same invention mentioned in form-3 appears incomplete & hence the same should be furnished within Six months from the date of filing of the said application under clauses (a) &(b) of sub-section (1) of section 8 and rule 12(1) &12(2) of Indian Patent Act & Rules.
Format of Drawings	Drawings should be prepared in accordance with the instructions contained in Rule 15 of the Patent Rules, 2003(as amended in 2016). Descriptive matters should not appear on the Drawing sheets as per rule 15(7). It should be on separate page
Other Deficiencies	Details regarding the search and/or examination report including claims of the application allowed, as referred to in Rule 12(3) of the Patent Rule, 2003, in respect of same or substantially the same invention filed in all countries outside India along with appropriate translation where applicable, should be submitted within a period of six months from the date of receipt of this communication as provided under section 8(2) of the Indian Patents Act.

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
01 Nov 2016	44941	1-New Application For Patent With Provisional /Complete Specification
01 Nov 2016	44941	OTHERS(NON CASH)
01 Nov 2016	44941	5-Declaration As To Inventorship - Form 5
01 Nov 2016	44941	2-Complete After Provisional Specification - Form 2 Check For No. OF Pages & Claims
01 Nov 2016	44941	28(i)-Request For Examination After 18 months Publication - Form 18

नियंत्रक का नाम /Name of the Controller: Pothineni Srinivasa Rao

नियंत्रक स्थान /Controller Location: [Chennai](#)

टिप्पणी: परीक्षण रिपोर्ट का उत्तर दाखिल करने की अंतिम तिथि / Note: Last date for filing response to the Examination Report:
27/04/2021