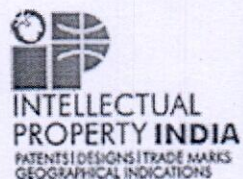




Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
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Government of India

(<http://ipindia.nic.in/index.htm>)



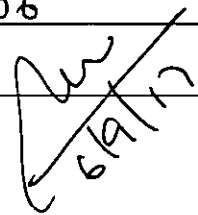
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	201741031506
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/09/2017
APPLICANT NAME	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
TITLE OF INVENTION	ISOCHORIC HEATING PROCESS IN PLACE OF ISENTROPIC COMPRESSION ON A VAPOR COMPRESSION CYCLE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	info@rsaip.com
ADDITIONAL-EMAIL (As Per Record)	legal@veltechuniv.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	29/08/2018
PUBLICATION DATE (U/S 11A)	07/09/2018
REPLY TO FER DATE	07/05/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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FORM 1 THE PATENTS ACT 1970 (39 OF 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE ONLY)	
				 700124983	
		Application No.		201741031506	
		Filing date:		06/09/2017	
		Amount of Fee paid:		8,800/-	
		CBR No:		28606	
		Signature:			
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICANT [Please tick (✓) at the appropriate category]					
Ordinary (✓)		Convention ()		PCT - NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3A. APPLICANT(S)					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
VELTECH Dr.RR & Dr.SR UNIVERSITY		INDIAN		House No.	400 FEET OUTER RING ROAD
				Street	
				City	AVADI, CHENNAI
				State	TAMIL NADU
				Country	INDIA
				Pin Code	600062
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]					
Natural Person ()		Other than Natural Person			
		Small Entity ()	Startup ()	Others (✓)	

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4. INVENTOR (S) [Please tick (✓) at the appropriate category]					
Are all the inventor (s)		Yes ()		No (✓)	
Same as the applicant(s) named above?					
If "NO", furnish the details of the inventor(s)					
Name in full		Nationality	Country of Residence	Address of the Inventor	
Dr. P. SIVAMURUGAN		INDIAN		House No.	142D
				Street	INDRA NAGAR, NEIKUPPAI POST
				City	LALGUDI TALUK, TRICHY DISTRICT
				State	TAMIL NADU
				Country	INDIA
				Pin Code	621111
5. TITLE OF THE INVENTION: ISOCHORIC HEATING PROCESS IN PLACE OF ISENTROPIC COMPRESSION ON A VAPOR COMPRESSION CYCLE					
6. AUTHORISED REGISTERED PATENT AGENT(S)			IN/PA No.		
			Name		
			Mobile No.		
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA			Name	VELTECH Dr.RR & Dr.SR UNIVERSITY	
			Postal Address	400 FEET OUTER RING ROAD, AVADI, CHENNAI - 600062	
			Telephone No.		
			Mobile No.	9677763271	
			Fax No.		
			E-mail ID	legal@veltechuniv.edu.in	
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER 16, PARTICULARS OF ORIGINAL					

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(FIRST) APPLICATION

Original (first) application No.

Date of filing of original (first) application

11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT

Main application/patent No.

Date of filing of main application

12. DECLARATIONS**(i) Declaration by the inventor(s)**

(In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the above named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date 01/09/17.

(b) Signature(s)

I. Dr. P. SIVAMURUGAN

(c) Name(s)

(ii) Declaration by the applicant(s) in the convention country

(In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period)

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date.....

(b) Signature(s)

(c) Name(s) of the signatory

(iii) Declaration by the applicant(s)

I/We the applicant(s) hereby declare(s) that: -

- ☒ I am/We are in possession of the above-mentioned invention.
- ☒ The provisional/~~complete~~ specification relating to the invention is filed with this application.
- ☒ The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.
- ☒ There is no lawful ground of objection(s) to the grant of the Patent to me/us.
- ☒ I am/We are the true & first inventor(s).
- ☒ I am/We are the assignee or legal representative of true & first inventor(s).
- ☒ The application or each of the applications, particulars of which are given in Paragraph-8, was the first application in convention country/countries in respect of my/our invention(s).
- ☒ I/We claim the priority from the above mentioned application(s) filed in convention country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which

06-Sep-2017/55816/201741031506/Form 1

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I/We derive the title.

- ☒ My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9.
- ☒ The application is divided out of my/our application particulars of which is given in Paragraph- 10 and pray that this application may be treated as deemed to have been filed on DD/MM/YYYY under section 16 of the Act.
- ☒ The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph-11.

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ Provisional Specification) #	No. of pages 4		
No. of Claim(s)	No. of claims and No. of pages		
Abstract	No. of pages 1		
No. of Drawing(s)	No. of drawings and No. of pages		

In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification required to be mentioned here.

(b) Complete Specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

(c) Sequence listing in electronic form

(d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

(e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.

(f) Translation of priority document/specification/International Search Report/International Preliminary Report on Patentability.

(g) Statement and Undertaking on Form 3

(h) Declaration of inventorship on Form 5

(i) Power of Authority

(j) Total fee Rs. 8,800/- in Cash/Banker's Cheque/ Bank Draft bearing No. 495865
Date 11.9.2017 on Vijaya Bank.

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and masters slated herein are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this 4th day of September 2017.

Signature:

Name:

Prof. Dr. E. Kannan
Registrar

To,
The Controller of Patents
The Patent Office, at Chennai.

Veltech Dr.RP & Dr.SR University
(ESTD. 1984)

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