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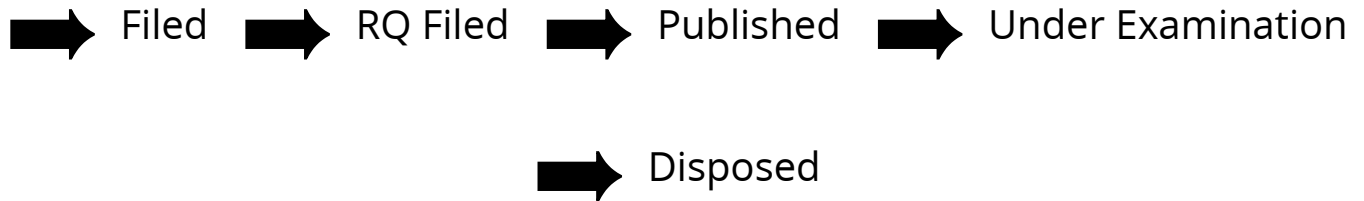
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Application Details

APPLICATION NUMBER	2688/CHE/2014
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/06/2014
APPLICANT NAME	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
TITLE OF INVENTION	INTRODUCTION OF HYDROGEN OXYGEN MIXTURE AT DIFFERENT INJECTION PRESSURES OF DIESEL ENGINES
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	info@rsaip.com
ADDITIONAL-EMAIL (As Per Record)	info@rsaip.com
E-MAIL (UPDATED Online)	info@rsaip.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	02/06/2014
PUBLICATION DATE (U/S 11A)	16/10/2015
FIRST EXAMINATION REPORT DATE	01/11/2018
Date Of Certificate Issue	29/10/2021
POST GRANT JOURNAL DATE	05/11/2021
REPLY TO FER DATE	30/04/2019

Application Status

APPLICATION STATUS

**Granted Application, Patent Number
:380952**[E-Register](#)[View Documents](#)

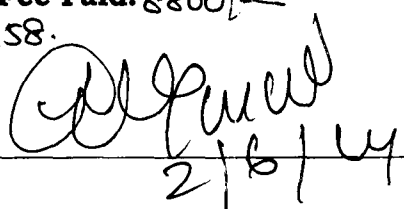
In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

2688 /CHE/ 2014

ORIGINAL

E2 JUN 2014

CASH/EDP/R1
NEW APPLICATIONNew appl
F18
2/6/14

FORM 1 THE PATENTS ACT 1970 (39 of 1970) & The Patents Rules, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 & 135 and rule 20(1))		(FOR OFFICE USE ONLY) Application No: 2688 /CHE/ 2014. Filing Date: 02.06.2014. Amount of Fee Paid: 8800/- CBR No: 9958. Signature  2/6/14	
1. APPLICANT(S)			
NAME	NATIONALITY	ADDRESS	
VELTECH RR&SR TECHNICAL UNIVERSITY	INDIAN	VELTECH RR&SR TECHNICAL UNIVERSITY #42,AVADI-VELTECH ROAD,AVADI,CHENNAI - 62	
2. INVENTOR(S)			
NAME	NATIONALITY	ADDRESS	
J.M.BABU	INDIAN	H.N:3-62A, Chervukommu Palem(V,P) Nuzendla(MD), Guntur(DT), AP-522659	
3. TITLE OF THE INVENTIONS	INTRODUCTION OF HYDROGEN OXYGEN MIXTURE AT DIFFERENT INJECTION PRESSURES OF DIESEL ENGINES		
4. ADDRESS FOR CORRESPONDENCE OF APPLICANT/AUTHORISED PATENT AGENT IN INDIA VELTECH RR&SR TECHNICAL UNIVERSITY #42,AVADI-VELTECH ROAD,AVADI,CHENNAI - 62		Telephone No. E-mail legal @ velttech univ. edu.in Fax No. Mobile No.	

5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION

COUNTRY	Application No.	Filing Date	Name of the applicant	Title of the invention

**6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT)
NATIONAL PHASE APPLICATION**

International application number	International filing date as allotted by the receiving office.

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) application number	Date of filing of Original (first) application

8. PARTICULARS FOR FILING PATENT OF ADDITION

Main application/patent number	Date of filing of main application

9. DECLARATIONS**(i) Declaration by the Inventor(s)**

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 26/14

(b) Signature(s) of the inventor(s)

(c) Name(s)

J.M.BABU



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

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 _____

10. Following are the attachments with the application:

(a) ~~Provisional specification~~ / Complete specification ✓

(b) Complete specification (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies), No.

of pages 8, No. of claims 5

(c) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies), No. of sheets _____

(d) Priority documents _____

(e) Translation of priority document/Specification/International Search Report _____

(f) Statement and undertaking on Form 3 _____

(g) Power of Authority _____

(h) Declaration of inventorship on Form 5 _____

(i) Sequence listing in electronic form _____

(j) _____

Fee Rs. 30,800/- in Cash/Cheque/Bank Draft bearing no. 704730

Date 30.5.14 on Vijaya Bank.

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

Dated this 2nd day of June 2014...

Signature: - [Signature]

Name: Dr. P. SARASU

For Vel Tech Dr. RR &

Dr. SR Technical

University

VEL TECH

Dr. RR & Dr. SR

TECHNICAL UNIVERSITY

No. 42, Avadi - Vel Tech Road,
Avadi, Chennai - 600 062.

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



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GOVERNMENT OF INDIA**

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बौद्धिक सम्पदा भवन / I.P.O. BUILDING
जी.एस.टी.रोड, गिन्डी / G.S.T.Road, Guindy,
चेन्नई / Chennai- 600032
दूरभाष / Tel. No. : (091)(044)22502081-84
फैक्स / Fax: 044 22502066

Email/ई मेल : Chennai-patent@nic.in
वेबसाइट / Website: <http://ipindia.nic.in>

सं. \ No. 2688/CHE/2014

दिनांक \ Dated the 29/10/2021

सेवा मे, \ To :

Address of Service:- RAJASEKARAN ASSOCIATES, F4, Brindavan Apartments, 19, Lake View Road, Brindavan Nagar, Adambakkam, Chennai-600 088 PH: +91-44-4214 7842 Fax: +91-44-4356 7842 Email: info@rsaip.com

Email Id:- info@rsaip.com

विषय :- पेटेंट आवेदन संख्या 2688/CHE/2014 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर में प्रविष्टि की सूचना

Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 2688/CHE/2014

महोदय/महोदया,

Sir/Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व ----- को हुई सुनवाई] के उपरांत एतद्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 29/10/2021 को पेटेंट रजिस्टर में कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on -----] a patent is hereby granted and recorded in the Register of Patents on the 29/10/2021. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No : 380952

आवेदक का नाम \ Name Of Applicant : Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

पेटेंट दिनांक \ Date of Patent : 02/06/2014

पूर्विका तिथि \ Priority Date : 02/06/2014

परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filing : 02/06/2014
date of Request for examination

शीर्षक \ Title : INTRODUCTION OF HYDROGEN OXYGEN MIXTURE AT DIFFERENT INJECTION PRESSURES OF DIESEL ENGINES

दावों की संख्या \ Number of claims : 5

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल में किया जाएगा।

The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरण शुल्क जमा किया जाना चाहिए।

The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Balamurugan P

(नियंत्रक पेटेंट)

Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वेबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।

For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कागजी प्रति अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.



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सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044135335
SL No :



पेटेंट सं. / Patent No. : 380952
आवेदन सं. / Application No. : 2688/CHE/2014
फाइल करने की तारीख / Date of Filing : 02/06/2014
पेटेंटी / Patentee : Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित INTRODUCTION OF HYDROGEN OXYGEN MIXTURE AT DIFFERENT INJECTION PRESSURES OF DIESEL ENGINES नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 2nd day of June 2014 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled INTRODUCTION OF HYDROGEN OXYGEN MIXTURE AT DIFFERENT INJECTION PRESSURES OF DIESEL ENGINES as disclosed in the above mentioned application for the term of 20 years from the 2nd day of June 2014 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 29/10/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 2nd day of June 2016 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 2nd day of June 2016 and on the same day in every year thereafter.