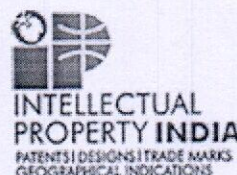




Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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



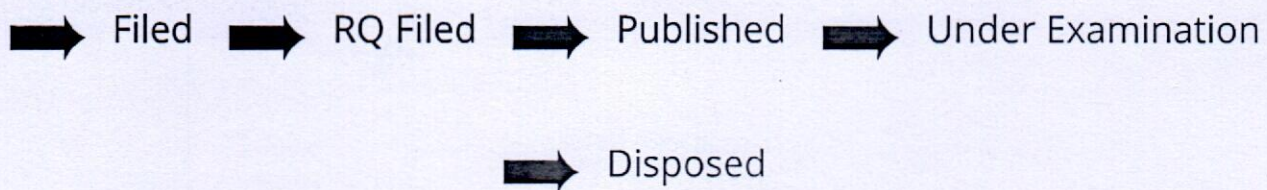
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	201741035453
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/10/2017
APPLICANT NAME	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
TITLE OF INVENTION	PARTIAL REPLACEMENT OF COARSE AGGREGATED BY USING E-WASTE IN HIGH STRENGTH CONCRETE
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	info@rsaip.com
ADDITIONAL-EMAIL (As Per Record)	legal@veltechuniv.edu.in
E-MAIL (UPDATED Online)	info@rsaip.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	06/10/2017
PUBLICATION DATE (U/S 11A)	25/01/2019
FIRST EXAMINATION REPORT DATE	19/11/2019
Date Of Certificate Issue	04/12/2020
POST GRANT JOURNAL DATE	11/12/2020
REPLY TO FER DATE	18/05/2020

Application Status

APPLICATION STATUS

**Granted Application, Patent Number
:353021**[E-Register](#)[View Documents](#)

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)



		Application No.		201741035453	
		Filing date:		06/10/2017	
		Amount of Fee paid:		8,800/-	
		CBR No:		31363	
		Signature:		<i>[Signature]</i> 6/10/17	
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
				Street	OUTER RING ROAD
				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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06-Oct-2017/62150/201741035453/Form 1

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	
1. M.ANNAPURANI	INDIAN		House No.	20
			Street	MOSQUE STREET, KOVIL PATHAGAI
			City	AVADI, CHENNAI
			State	TAMIL NADU
			Country	INDIA
			Pin Code	600062
2. S.GOWTHAM	INDIAN		House No.	4/142
			Street	AANANTHAGIRI, 4 TH STREET, NEAR RADIO STATION
			City	KODAIKANAL, DINDUGAL DIST
			State	TAMIL NADU
			Country	INDIA
			Pin Code	624101
3. R.MAHESH	INDIAN		House No.	27
			Street	NSK ROAD, 3 RD CROSS STREET, SEETHARAM NAGAR
			City	KODUNGAIYUR, CHENNAI
			State	TAMIL NADU
			Country	INDIA
			Pin Code	600118
4. R.SURIYA	INDIAN		House No.	37/51
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			City	CHENNAI
			State	TAMIL NADU
			Country	INDIA
			Pin Code	600112

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5. TITLE OF THE INVENTION: PARTIAL REPLACEMENT OF COARSE AGGREGATED BY USING E-WASTE IN HIGH STRENGTH CONCRETE

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

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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 (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

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06-Oct-2017/62150/201741035453/Form 1

the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date 03.10.2017

(b) Signature(s)

(c) Name(s)

1. M. ANNAPURANI

2. GOWTHAM.S

3. MAHESH.R

4. SURIYA.R

(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 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 <u>12</u>		
No. of Claim(s)	No. of claims and <u>5</u>		

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	No. of pages		
Abstract	No. of pages 1		
No. of Drawing(s)	No. of drawings and No. of pages 3		

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. 30,800. in Cash/Banker's Cheque/ Bank Draft bearing No. 995972
Date. 25.10.2017 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 1st day of October 2017.

Signature: *

Name:

Prof. M. E. Kannan
Registrar

Veltech Dr. RR & Dr. SR University

(Est. in 3 of UCC Act, 1950)

400 Feet Outer Ring Road, Anna Nagar, Chennai-600 062, Tamil Nadu, India

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

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06-Oct-2017/62150/201741035453/Form 1



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एकस्व/PATENTS | अभिकल्प/DESIGNS |
व्यापार चिह्न/TRADE MARKS | भौगोलिक
उपदर्शन/GEOGRAPHICAL INDICATIONS



**भारत सरकार
GOVERNMENT OF INDIA**

एकस्व कार्यालय / THE PATENT OFFICE
बौद्धिक सम्पदा भवन / I.P.O. BUILDING
जी.एस.टी.रोड, गिंडी / 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. 201741035453

दिनांक \ Dated the 04/12/2020

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, legal@veltechuniv.edu.in

विषय :- पेटेंट आवेदन संख्या 201741035453 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. 201741035453

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 04/12/2020 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 04/12/2020. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 353021
आवेदक का नाम \ Name Of Applicant	: Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
पेटेंट दिनांक \ Date of Patent	: 06/10/2017
पूर्विका तिथि \ Priority Date	: 06/10/2017
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filing date of Request for examination	: 06/10/2017
शीर्षक \ Title	: PARTIAL REPLACEMENT OF COARSE AGGREGATED BY USING E-WASTE IN HIGH STRENGTH CONCRETE
दावों की संख्या \ Number of claims	: 04

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.

Piyush Garg

(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 : 044125030
SL No :



पेटेंट सं. / Patent No. : 353021
आवेदन सं. / Application No. : 201741035453
फाइल करने की तारीख / Date of Filing : 06/10/2017
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 **PARTIAL REPLACEMENT OF COARSE AGGREGATED BY USING E-WASTE IN HIGH STRENGTH CONCRETE** नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 6th day of October 2017 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 **PARTIAL REPLACEMENT OF COARSE AGGREGATED BY USING E-WASTE IN HIGH STRENGTH CONCRETE** as disclosed in the above mentioned application for the term of 20 years from the 6th day of October 2017 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 04/12/2020
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, **6th day of October 2019** 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 6th day of October 2019 and on the same day in every year thereafter.