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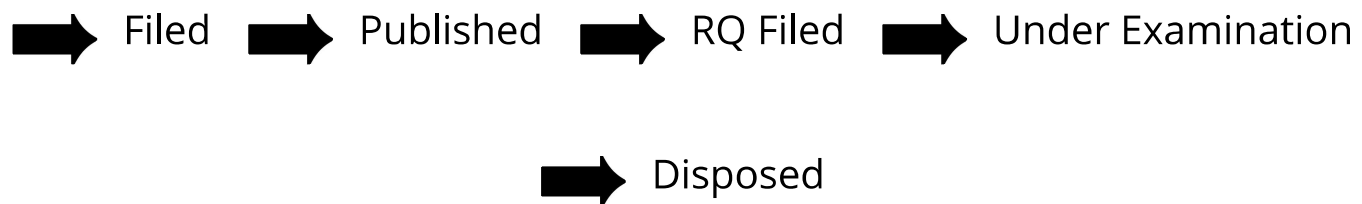
Application Details

APPLICATION NUMBER	201841040380
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/10/2018
APPLICANT NAME	ALVA'S EDUCATION FOUNDATION
TITLE OF INVENTION	ENHANCEMENT OF MICRO DIRECT METHANOL FUEL CELL (μ -DMFC) PERFORMANCE USING MICRO CHANNELS FABRICATED FROM <100> SILICON WAFER ORIENTATION AND P(VDF-TrFE) COATED NAFION MEMBRANE AS PROTON EXCHANGE MEMBRANE
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	rpinto1942@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	25/08/2021
PUBLICATION DATE (U/S 11A)	14/12/2018
REPLY TO FER DATE	22/05/2023

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

FORM I THE PATENTS ACT 1970 (39 of 1970) & The Patent Rules, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 & 135, and rule 20(1))	(FOR OFFICE USE ONLY) Application No: Filing Date: Amount of fee paid: CBR No: Signature:
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Application No.	201841040380
Filing date:	26/10/2018
Amount of Fee paid:	8800/-
CBR No:	30510
Signature	

1. APPLICANT'S REFERENCE / IDENTITY NUMBER. (AS ALLOTTED BY OFFICE)

2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]

Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()

3A. APPLICANTS

Name in Full	Nationality	Country of Residence	Address of Applicant
ALVA'S EDUCATION FOUNDATION	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY SHOBHAVANA CAMPUS, MIJAR, MOOBBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA

3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]

Natural Person (✓)		Others ()
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4. INVENTOR(S) [Please tick (✓) at the appropriate category]

Are all the inventor(s) same as the applicant(s) named above?	Yes ()	No (✓)
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If NO furnish the details of the inventors

Name in Full	Nationality	Country of Residence	Address of Applicant
ARJUN SUNIL RAO	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOOBBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA
JAYARAMA ARASALIKE	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOOBBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA
MANJUNATHA DODDABALLAPURA VEERABHADRAIAH	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOOBBIDRI, DAKSHINA KANNADA

			- 574225, KARNATAKA, INDIA
RICHARD PINTO	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOOBBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA
SIDDHARTHA PRAKASH DUTTAGUPTA	Indian	India	INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI, MUMBAI - 400076, MAHARASHTRA, INDIA
ACHANTA VENUGOPAL	Indian	India	TATA INSTITUTE OF FUNDAMENTAL RESEARCH, MUMBAI - 400005 MAHARASHTRA, INDIA

5. TITLE OF THE INVENTION					
"ENHANCEMENT OF MICRO DIRECT METHANOL FUEL CELL (μ -DMFC) PERFORMANCE USING MICRO CHANNELS FABRICATED FROM <100> SILICON WAFER ORIENTATION AND P(VDF-TrFE) COATED NAFION MEMBRANE AS PROTON EXCHANGE MEMBRANE"					
6. AUTHORISED REGISTERED PATENT AGENT(S)					
		Name			
		Mobile no.			
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA		Name		ALVA'S EDUCATION FOUNDATION	
		Postal Address		ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY SHOBHAVANA CAMPUS, MIJAR, MOOBBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA	
		Telephone No.			
		Mobile No.		09892818760/ 09920818760	
		Fax No.		08258 - 262726	
		E-Mail ID		rpinto1942@gmail.com	
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILLED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application number	Filing date	Name of applicant	Title of invention	IPC (as classified in the convention country)
Not Applicable					
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATIVE TREATY (PCT)					
International application number:			Not Applicable		
International filing date:			Not Applicable		
PATE NT OFFICE CHENNAI 29/10/2018 11:36					
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					

Original (first) application number: Not Applicable	Date of filing of Original (first) application: Not Applicable
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT	
Main application/ Patent Number: Not Applicable	Date of Filing of main application: Not Applicable

12. DECLARATION


i) Declaration by the inventors

(In case the applicant is an assignee: the inventors 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)

We, the above named inventors are the true and first inventors for this invention and declare that the applicants herein are our assignee or legal representative.

(i)


(a) Date:

(b) Signature of the inventors: 

(c) Name: **ARJUN SUNIL RAO**

(ii)

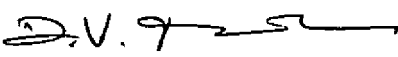
(a) Date: 12.10.2018

(b) Signature of the inventors: 

(c) Name: **JAYARAMA ARASALIKE**

(iii)


(a) Date: 11.10.18

(b) Signature of the inventors: 

(c) Name: **MANJUNATHA DODDABALLAPURA VEERABHADRAIAH**

(iv)

(a) Date:

(b) Signature of the inventors: 

(c) Name: **RICHARD PINTO**

(v)


(a) Date:

(b) Signature of the inventors: 

(c) Name: **SIDDHARTHA PRAKASH DUTTAGUPTA**

(vi)

(a) Date: 04/10/2018

(b) Signature of the inventors: 

(c) Name: **ACHANTA VENUGOPAL**

ii) Declaration by the applicant:

I, the applicant hereby declare that:-

- ☐ I am 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 us before the grant of the patent to us.
- ☐ There is no lawful ground of objection to the grant of the patent to us.
- ☐ I am the assignee or legal representative of true and first inventors. 6
- ☐ The application or each of the application, particulars of which are given in Para 5 was the first application in convention country/countries in respect of our invention.

PATENT OFFICE CHENNAI

- ☐ I claim the priority from the above mentioned applications filed in convention country 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 we derive the title.
- ☐ My application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Para - 9.
- ☐ The application is divided out of our application particulars of which are given in Para-10 and pray that this application may be treated as deemed to have been filed on.....under section 16 of the Act.
- ☐ The said invention is an improvement in or modification of the invention particulars of which are given in Para-11

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete Specification #	No. of Pages : 16		
No. of Claims	No. of claims : 1 No. of Pages : 2	Rs. 8800/-	Addl. Pages - N/A
Abstract	No. of Pages : 1		Addl. Claims - N/A
No. of Drawings	No. of drawings : 18 No. of pages : 10		

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 drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification are required to mentioned here.

(b) Complete specification (in confirmation with the international application)/ as amended before the International preliminary Examination Authority (IPEA), as applicable (2 copies).

(c) Sequence listing in electronic format.

(d) Drawing (in confirmation 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 Inventor ship on Form 5.

(i) Power of Attorney.

(j) Total Fee ₹----- in Cheque bearing no: _____ dated this _____ drawn from _____ bank,

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

Dated this 10th day of October, 2018.

For ALVA'S EDUCATION FOUNDATION,

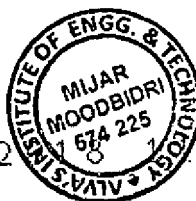
Authorized Signatory:

Name in full:

Designation:

Seal:

Mohan Alva
Mohan Alva.
chairman.



To,
The Controller of Patents,
Patent Office Chennai,
Chennai - 600 032.

29/10/2018

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