



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

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



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

Application Details	
APPLICATION NUMBER	202341068917
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/10/2023
APPLICANT NAME	VIVEK ALVA
TITLE OF INVENTION	LOW FREQUENCY VIBRATION SENSORS AND ENERGY HARVESTERS USING MICROCANTILEVER BEAMS WITH OPTIMALLY CROSSLINKED P(VDF-TRFE)-PZT FILMS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	rpinto1942@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	24/11/2023

Application Status

APPLICATION STATUS

Awaiting Request for Examination[View Documents](#)

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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

FORM 1 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: 25-09-2023 Amount of fee paid: CBR No: Signature:			
				Application No.			
				Filing date:		25-09-2023	
				Amount of Fee paid:			
				CBR No:			
				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, MOODBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA		
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]							
Natural Person (✓)							
						Others ()	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]							
Are all the inventor(s) same as the applicant(s) named above?			Yes ()		No (✓)		
If NO furnish the details of the inventors							
Name in Full		Nationality	Country of Residence		Address of Applicant		
SUSHANTH ANIL LOBO		Indian	India		ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA		
RASHMI K. R		Indian	India		ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA		
JAYARAMA ARASALIKE		Indian	India		ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA		

			- 574225, KARNATAKA, INDIA
MANJUNATHA DODDABALLAPURA VEERABHADRAIAH	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA
RICHARD PINTO	Indian	India	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, SHOBHAVANA CAMPUS, MIJAR, MOODBIDRI, DAKSHINA KANNADA - 574225, KARNATAKA, INDIA
SIDDHARTHA PRAKASH DUTTAGUPTA	Indian	India	INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI, MUMBAI - 400076, MAHARASHTRA, INDIA
VEERESH DESHPANDE	Indian	India	INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI, MUMBAI - 400076, MAHARASHTRA, INDIA

5. TITLE OF THE INVENTION					
"Low Frequency Vibration Sensors and Energy Harvesters Using Microcantilever Beams with optimally crosslinked P(VDF-TrFE)-PZT Films"					
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, MOODBIDRI, 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	International filing date: Not Applicable
Applicable					

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 APPLICANT 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: 25-09-2023

(b) Signature of the inventors:

(c) Name: **SUSHANTH ANIL LOBO**

(ii)

(a) Date: 25-09-2023

(b) Signature of the inventors:

(c) Name: **RASHMI K. R**

(iii)

(a) Date: 25-09-2023

(b) Signature of the inventors:

(c) Name: **JAYARAMA ARASALIKE**

(iv)

(a) Date: 25-09-2023

(b) Signature of the inventors:

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

v)

(a) Date: 25-09-2023

(b) Signature of the inventors:

(c) Name: **RICHARD PINTO**

vi)

(a) Date: 25-09-2023

(b) Signature of the inventors:

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

vii)

(a) Date: 25-09-2023

(b) Signature of the inventors:

(c) Name: **VEERESH DESHPANDE**

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.
- ☐ 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.
- ☐ 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
Complete Specification #	No. of Pages : 9
No. of Claims	No. of claims : 1 ; No. of Pages : 1
Abstract	No. of Pages : 1
No. of Drawings	No. of drawings: 7, No. of pages: 7

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.

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 September 25, 2023.

For ALVA'S EDUCATION FOUNDATION,

Authorized Signatory:

Name in full:

Designation:

Seal:



Vivek M Alva

Managing Trustee

Alva's Education Foundation (R)

Moodbidri - 574 227

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