

FORM 1				(FOR OFFICE USE ONLY)			
<p style="text-align: center;">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)</p>							
				Application No.			
				Filing date:			
				Amount of Fee paid:			
				CBR No:			
				Signature:			
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (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. APPLICANT(S)							
Name in Full		Nationality	Country of Residence		Address of the Applicant		
National Institute of Technology Calicut		Indian	India		NIT Campus (P.O), Calicut, Kozhikode – 673601, Kerala, India.		
3B. CATEGORY OF APPLICANT [Please tick (√) at the appropriate category]							
Natural Person ()			Other than Natural Person				
			Small Entity ()	Startup ()	Others ()	Educational Institution (√)	
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 inventor(s)							
Name in Full		Nationality	Country of Residence		Address of the inventor		
Mr. S. Sathyaraj		Indian	India		Research Scholar, Department of Mechanical Engineering, National Institute of Technology Calicut, NIT Campus (P.O), Calicut, Kozhikode – 673601, Kerala, India.		
Dr. K. Sekar		Indian	India		Associate Professor, Department of Mechanical Engineering, National Institute of Technology Calicut, NIT Campus (P.O), Calicut, Kozhikode – 673601, Kerala, India.		
5. TITLE OF THE INVENTION: A Method for Synthesis of Bio-Sourced Epoxy Vitrimer for Enhanced Toughness and Recyclability							

6. AUTHORISED REGISTERED PATENT AGENT(S)		IN/PA	3925		
		Name	Hima Bindu Atti		
		Mobile No.	+91 9000111656		
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA		Name	National Institute of Technology Calicut		
		Postal Address	Novel Patent Services Pvt. Ltd., Plot #47, Sai Priya Layout, Opp. IIM-Vizag Road, Gambheeram, Anandapuram, Visakhapatnam-531163, Andhra Pradesh, India		
		Mobile No.	+91 9000111656		
		E-mail ID	iprfilings@novelpatent.com		
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 SECTION 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).					
We, the above named inventors are the true & first inventors for this Invention and declare that the applicants herein are our assignee or legal representative.					
Dated This on 09 th September 2024					
a) Signature (s) :					
b) Name(s) :		Mr. S. Sathyaraj			
a) Signature (s) :					
b) Name(s) :		Dr. K. Sekar			

(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.

NA

(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 Complete specification relating to the invention is filled 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

Form 2

Item	Details	Fee	Remarks
Complete specification	No. of pages- 11		
No. of Claim(s)	No. of claims- 10 and No. of Pages- 02		
Abstract	No. of pages - 01		
No. of Drawing(s)	No. of drawing- 02 and No. of pages- 02		

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 are 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 Inventor ship on Form 5
- (i) Power of Authority

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

Dated this: 09th September 2024



Hima Bindu Atti
IN/PA-3925
Agent for the Applicant(s)

To
The Controller of Patents
The Patent Office at Chennai.