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Department of Industrial Policy & Promotion,  
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Application Details	
APPLICATION NUMBER	202241043770
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/07/2022
APPLICANT NAME	1 . Aditya Engineering College 2 . Aditya College of Engineering and technology 3 . Aditya College of Engineering
TITLE OF INVENTION	3D Printer with a Filament Detection System
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	hima@novelpatent.com
ADDITIONAL-EMAIL (As Per Record)	murali@novelpatent.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	10/08/2022
PUBLICATION DATE (U/S 11A)	19/08/2022

Application Status			
APPLICATION STATUS		Application referred u/s 12 for examination.	
			<a href="#">View Documents</a>
			
In case of any discrepancy in status, kindly contact <a href="mailto:ipo-helpdesk@nic.in">ipo-helpdesk@nic.in</a>			

<b>"FORM 1</b> THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 <b>APPLICATION FOR GRANT OF PATENT</b> (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE ONLY)	
				Application	
				Filing date:	
				Amount	
				CBR No:	
				Signature:	
<b>1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)</b>					
<b>2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]</b>					
Ordinary ( ✓ )		Convention (   )		PCT-NP (   )	
Divisional (   )	Patent of Addition (   )	Divisional (   )	Patent of Addition (   )	Divisional (   )	Patent of Addition (   )
<b>3A. APPLICANT(S)</b>					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
Aditya Engineering College		INDIAN	INDIA	House No.	ADB Road
				Street	Aditya Nagar, Surampalem
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			State	Andhra Pradesh
			Country	India
			Pin code	533437

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

Natural Person ( )	Other than Natural Person			
	Small Entity ( )	Startup ( )	Others ( )	Educational Institute (✓)

**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	
Karedla Lakshmi Kishore	INDIAN	INDIA	House No.	Associate Professor, Department of ME
			Street	Aditya Engineering College, ADB Road, Aditya Nagar, Surampalem
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			Country	India
			Pin code	533437
J D Venkatesh	INDIAN	INDIA	House No.	Sr. Assistant Professor, Department of ME
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			Pin code	533437

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			Country	India
			Pin code	533437
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			Country	India
			Pin code	533437
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			State	Andhra Pradesh
			Country	India
			Pin code	533437




<b>5. TITLE OF THE INVENTION</b>					
3D Printer with a Filament detection System					
<b>6. AUTHORISED REGISTERED PATENT AGENT(S)</b>			IN/PA	3925	
			Name	Hima Bindu Atti	
			Mobile	+91 9000111656	
<b>7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA</b>			Name	1. Aditya Engineering College 2. Aditya College of Engineering and Technology 3. Aditya College of Engineering	
			Postal Address	Novel Patent Services Pvt. Ltd. Plot # 47, Sai Priya Layout, Opp. IIM-Vizag Road, Gambheeram, Anandapuram, Visakhapatnam-531163, Andhra Pradesh, India.	
			Telepho		
			Mobile	+91 9000111656	
			Fax No.		
			E-mail	hima@novelpatent.com	
			<b>8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION</b>		
Country	Application Number	Filing date	Name of the applicant	T i	IPC (as classified in the convention country)
<b>9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)</b>					
International application number			International filing date		
<b>10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION</b>					
Original (first) application No.			Date of filing of original (first) application		
<b>11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT</b>					
Main application/patent No.			Date of filing of main application		
<b>12. DECLARATIONS</b>					

**(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).

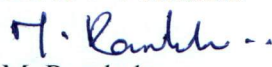
We, the above named inventors are our true & first inventor(s) for this Invention and declare that the applicant herein are our assignee or legal representative.

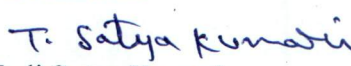
Date: 28-07-2022

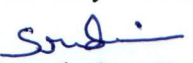
(1) Signature:   
Name: Karedla Lakshmi Kishore

(2) Signature:   
Name: J D Venkatesh

(3) Signature:   
Name: Dr. R V V Krishna

(4) Signature:   
Name: M. Rambabu

(5) Signature:   
Name: Tadi Satya Kumari

(6) Signature:   
Name: Peyyala Sree Devi

**(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)

We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.



**(iii) Declaration by the applicant(s)**

I/We the applicant(s) hereby declare(s) that: -

- ☐ I am in possession of the above-mentioned invention.
- ☐ The 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 the true & first inventor.
- ☐ I am the assignee or legal representative of true & first inventor.
- ☐ 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		
No. of Claim(s)	No. of claims and No. of pages		
Abstract	No. of pages		
No. of Drawing(s)	No. of drawings and No. of pages		



# 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 Inventorship on Form 5
- (i) Power of Authority

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

Signature:



Dated this 28<sup>th</sup> day of July, 2022

Name: Hima Bindu Atti

To,

The Controller of Patents

The Patent Office, at Chennai

Note: -

- \* Repeat boxes in case of more than one entry.
- \* To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.
- \* Tick (✓)/cross (x) whichever is applicable/not applicable in declaration in paragraph-12.
- \* Name of the inventor and applicant should be given in full, family name in the beginning.
- \* Strike out the portion which is/are not applicable.
- \* For fee: See First Schedule";