



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	201941036474
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/09/2019
APPLICANT NAME	1 . DR. CHUKKA SANTHAIHAH (ASSOCIATE PROFESSOR, CSE DEPT.) 2 . DR. NALUGURU UDAYA KUMAR 3 . C RAGHAVENDRA 4 . MR. PARAG PRAKASH ZODGE. 5 . DR. M. UMADEVI
TITLE OF INVENTION	IF-POT: INTELLIGENT FISH POT TO DETECT THE FIVE PARAMETER USING DEEP LEARNING
FIELD OF INVENTION	FOOD
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	chukka.santh@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/03/2021

#### Application Status

APPLICATION STATUS	<b>Awaiting Request for Examination</b>
--------------------	---

[View Documents](#)

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

In case of any discrepancy in status, kindly contact [ipo-helpdesk@nic.in](mailto:ipo-helpdesk@nic.in)



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



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

### Patent Search

Invention Title	IF-POT: INTELLIGENT FISH POT TO DETECT THE FIVE PARAMETER USING DEEP LEARNING
Publication Number	11/2021
Publication Date	12/03/2021
Publication Type	INA
Application Number	201941036474
Application Filing Date	10/09/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	FOOD
Classification (IPC)	A23K0050800000, H04W0068000000, A23K0010220000, A23K0040250000, A61B0005040000

Inventor			
Name	Address	Country	Nationality
DR. CHUKKA SANTHAIHAH (ASSOCIATE PROFESSOR, CSE DEPT.)	INSTITUTE OF AERONAUTICAL ENGINEERING,DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDAI e-mail:chukka.santh@gmail.com	India	India
DR. NALUGURU UDAYA KUMAR	MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA joyudaya@gmail.com	India	India
C RAGHAVENDRA	INSTITUTE OF AERONAUTICAL ENGINEERING,DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDAI cer.svch@gmail.com	India	India
MR. PARAG PRAKASH ZODGE.	230 MIG OPPOSITE TO DHOOT HOSPITAL, MHADHA COLONY, AURANGABAD. 431001, MH, INDIA	India	India
DR. M. UMADEVI	NO: 3/113, SAIBABA NAGAR, TIRUPTTUR VELLORE DISTRICT 635601, INDIA	India	India

Applicant			
Name	Address	Country	Nationality
DR. CHUKKA SANTHAIHAH (ASSOCIATE PROFESSOR, CSE DEPT.)	INSTITUTE OF AERONAUTICAL ENGINEERING,DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDAI e-mail:chukka.santh@gmail.com	India	India
DR. NALUGURU UDAYA KUMAR	MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA joyudaya@gmail.com	India	India
C RAGHAVENDRA	INSTITUTE OF AERONAUTICAL ENGINEERING,DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDAI cer.svch@gmail.com	India	India
MR. PARAG PRAKASH ZODGE.	230 MIG OPPOSITE TO DHOOT HOSPITAL, MHADHA COLONY, AURANGABAD. 431001, MH, INDIA	India	India
DR. M. UMADEVI	NO: 3/113, SAIBABA NAGAR, TIRUPTTUR VELLORE DISTRICT 635601, INDIA	India	India

**Abstract:**  
 ABSTRACT [610] My invented technology "IF-Pot " fish pots which provide fish to survive them for long time. The my invention is to increase survival level of fish in fish pots. This invention controlled and provide the good and required level of all things like 1. oxygen: 2. Change water indication and change: 3. Feed food indication and provide:4.Medicine for fish indication and provide. 5. Temp display. It will be helpful for fish to survive and get food when we out of town. And also see the all status in my mobile .

## Complete Specification

Claims:  
WE CLAIMS  
[600]

1. By upcoming technology we need fish pots which provide fish to survive them for long time. The my invention is to increase survival level of fish in fish pots. This invention controlled and provide the good and required level of all things like 1. oxygen: 2. Change water indication and change: 3. Feed food indication and provide: 5. Medicine for fish indication and provide. It will be helpful for fish to survive and get food when we out of town
2. According to Claims 1# The invention is to provide the Level of oxygen: We can't get oxygen level in water, it decreases when water is polluted. We need some device which recognize level of oxygen in water. We get percentage of oxygen on the display. When level of oxygen is low, notification given to your phone level of oxygen is low. Then machine starts and level of oxygen will be increased. When level of oxygen is high, then we get notification, machine automatically stops. Fish need dissolved oxygen for breathing. We all know that they get oxygen through gills. Water has very tiny amount of dissolved oxygen.
3. According to Claims 1# The invention is to provide Level of polluted of water: Sometimes we forgot to change water, because of this water is polluted and this is harmful for health of fish. When water is polluted we get notification on mobile and it also shows on display about the level of polluted of water. The fish can survive level of pollution of water up to 8,000 times.
4. According to Claims 1# The invention is to provide Requirement of food: we give extra food for eating to fish. Sometime because of overeating they can die. Sometimes we give them food which harm them or affects to their health. If anyone don't know about which food fish want then it is so dangerous for fish. So we have to

[View Application Status](#)



Terms & conditions (<http://ipindia.gov.in/terms-conditions.htm>) Privacy Policy (<http://ipindia.gov.in/privacy-policy.htm>) Copyright (<http://ipindia.gov.in/copyright.htm>)  
Hyperlinking Policy (<http://ipindia.gov.in/hyperlinking-policy.htm>) Accessibility (<http://ipindia.gov.in/accessibility.htm>) Archive (<http://ipindia.gov.in/archive.htm>)  
Contact Us (<http://ipindia.gov.in/contact-us.htm>) Help (<http://ipindia.gov.in/help.htm>)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019

<b>FORM 1</b> THE PATENTS ACT 1970 (39 of 1970) & The Patents Rules, 2003 APPLICATION FOR GRANT OF PATENT (See sections 7, 54 & 135 and rule 20(1))	<b><u>(FOR OFFICE USE ONLY)</u></b> Application No: Filing Date Amount of Fees Paid: CBR NO: Signature:
1. APPLICANTS REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)	

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

<b>Ordinary (✓)</b>		Convention ( )		PCT-NP ( )	
Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )

**3A. APPLICANT(S):**

Name	Country of Residence	Nationality	Address
DR. CHUKKA SANTHAI AH (ASSOCIATE PROFESSOR, CSE DEPT.)	INDIA	AN INDIAN NATIONAL	INSTITUTE OF AERONAUTICAL ENGINEERING, DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA e-mail:chukka.santh@gmail.com
DR. NALUGURU UDAYA KUMAR (DEPARTMENT OF ECE)	INDIA	AN INDIAN NATIONAL	MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA joyudaya@gmail.com
C RAGHAVENDRA (ASSISTANT PROFESSOR DEPT. OF CSE)	INDIA	AN INDIAN NATIONAL	INSTITUTE OF AERONAUTICAL ENGINEERING, DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA cer.svch@gmail.com
MR. PARAG PRAKASH ZODGE.	INDIA	AN INDIAN NATIONAL	230 MIG OPPOSITE TO DHOOT HOSPITAL, MHADHA COLONY, AURANGABAD. 431001, MH, INDIA
DR. M. UMADEVI	INDIA	AN INDIAN NATIONAL	NO: 3/113, SAIBABA NAGAR, TIRUPPTUR VELLORE DISTRICT 635601, INDIA

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

<b>Natural Person (✓)</b>	Other than Natural Person ( )		
	Small Entity ( )	Startup ( )	Others ( )

**4. INVENTOR(S): [Please tick (✓) at the appropriate category]**

<b>Are all the inventor(s) same as the applicant(s) named above?</b>	<b>Yes (✓ )</b>	No ( )
--	-----------------	--------

If "No", furnish the details of the inventor(s) **N.A**

Name	Nationality	Country of Residence	Address
NA	NA	NA	NA

**5. TITLE OF THE INVENTION:**

**IF-Pot: INTELLIGENT FISH POT TO DETECT THE FIVE PARAMETER USING DEEP LEARNING**

<b>6. AUTHORISED REGISTERED PATENT AGENT(S)</b>	NA
<b>ADDITIONAL PATENT AGENTS</b>	NA

<b>7. ADDRESS FOR SERVICE OF APPLICANT/ PATENT AGENT(S) IN INDIA</b> DR. CHUKKA SANTHAI AH (ASSOCIATE PROFESSOR, CSE DEPT.) Address: INSTITUTE OF AERONAUTICAL ENGINEERING, DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA e-mail:chukka.santh@gmail.com	Mobile No.: 8059794469 E-mail: <a href="mailto:dr.bksarkar2003@yahoo.in">dr.bksarkar2003@yahoo.in</a>
--	---

**8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION: N.A**

Country	Appln. Number	Filing Date	Name of the Applicant	Title of the Invention	IPC (as classified in the convention country)
NA	NA	NA	NA	NA	NA

**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 as allotted by the receiving office.
NA	NA

**10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION : N.A**

Original (first) application number	Date of filing of Original (first) application
-------------------------------------	--

N.A.	N.A.
------	------

**11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54,  
PARTICULARS OF MAIN APPLICATION OR PATENT: N.A**

Main application / patent Number	Date of filing of main application
N.A.	N.A.

**12. DECLARATIONS:**

**(i) Declaration by the Inventor:**

**(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 inventor are the true & first inventor for this invention and declare that the applicant herein is my assignee or legal representative:

**NA**

**(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. : **N.A.**

**(iii) Declaration by the applicants:**

We, the applicants hereby declare that: -

1. We are in possession of the above-mentioned invention.
2. The **Complete Specification** relating to the invention is filed with this application.
3. 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 patent to us: **N.A.**
4. There is no lawful ground of objection to the grant of the patent to me/ us.
5. We are the assignees or legal representatives of true and first inventors:
6. The application or each of the applications, particulars of which are given in Para – 8 was the first application in convention country/countries in respect of our invention: **N.A.**
7. We claim the priority from the above mentioned application 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 us or by any person from which we derive the title: **YES**

8. Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Para-9: **N.A.**
9. The application is divided out of our application particulars of which is given in Para-10 and prays that this application may be treated as deemed to have been filed on N.A. Under sec.16 of the Act: **N.A.**
10. The said invention is an improvement in or modification of the invention particulars of which are given in Para-11 :**N.A.**

**FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION**

**(a) Form 2**

Item	Details	Fee	Remarks
Complete specification) #	No. of pages:		
Claim(s)	No. of claims: No. of pages:		
Abstract	No. of pages:		
Drawing(s)	No. of drawings: 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.

1. Complete specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies) **N.A**
2. Sequence listing in electronic form **N.A**
3. Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies) **N.A**
4. Statement and Undertaking on Form-3
5. Declaration of Inventor ship on Form-5
6. Request For Publication Form9 , 2750.Rs
7. Form18 Examination Request, 4400.Rs
8. Power of Authority
9. Other Form 4 to 31 According to needed can fill.

Total fee Rs ...../- **in Cash/ Banker's Cheque /Bank Draft bearing No.....**

**Date.....on..... Bank.**

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

**Dated this    day of.....10/9/2019**

DR. CHUKKA SANTHAIAH (ASSOCIATE PROFESSOR, CSE DEPT.)

DR. NALUGURU UDAYA KUMAR (DEPARTMENT OF ECE)

C RAGHAVENDRA (ASSISTANT PROFESSOR DEPT. OF CSE)

MR. PARAG PRAKASH ZODGE.

DR. M. UMADEVI

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