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### Patent Search

Invention Title	WEB BASED- IRRIGATION SERVICES : ADVANCED CLOUD BASED IMPLEMENTATION OF MASHUP, WEB BASED AGRICULTURE AND IRRIGATION SERVICES.		
Publication Number	03/2020		
Publication Date	17/01/2020		
Publication Type	INA		
Application Number	202041001322		
Application Filing Date	11/01/2020		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	MECHANICAL ENGINEERING		
Classification (IPC)	A01G0025160000,H04L0029060000,G06Q0050020000,A01M0007000000,A01G0025090000		
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**Abstract:**

The Invention "WEB BASED- IRRIGATION SERVICES" India is a land of villages and agriculture still remains the main source of livelihood for the majority of the population. With an average annual growth rate of 3.307%, a major challenge this sector is facing is the lack of timely information about crop varieties, production advanced techniques, production and yield strategies. Farmers need to make efficient use of modern technology to achieve maximum yield from available used, un-used land. Therefore this Invention mainly aims at providing a mashup of mobile internet , web based services (namely agriculture service and irrigation service) hosted on cloud platform to help the farmers gain beneficial information regarding farming in India. The Invention "WEB BASED- IRRIGATION SERVICES " web services provide information regarding the current agricultural and irrigational practices in India. It provides all yield related information to the end user about various crops and the irrigation techniques that include weather conditions, type of soil, fertilizers, potential diseases and the best places in India to grow a particular crop and also the type of advanced irrigation techniques to be used for particular regions on a single cloud platform.

**Complete Specification**

1. The Invention "WEB BASED- IRRIGATION SERVICES" India is a land of villages and agriculture still remains the main source of livelihood for the majority of the population. With an average annual growth rate of 3.307%, a major challenge this sector is facing is the lack of timely information about crop varieties, production advanced techniques, production and yield strategies. Farmers need to make efficient use of modern technology to achieve maximum yield from available used, un-used land. Therefore this Invention mainly aims at providing a mashup of mobile internet , web based services (namely agriculture service and irrigation service) hosted on cloud platform to help the farmers gain beneficial information regarding farming in India. The Invention "WEB BASED- IRRIGATION SERVICES " web services provide information regarding the current agricultural and irrigational practices in India. It provides all yield related information to the end user about various crops and the irrigation techniques that include weather conditions, type of soil, fertilizers, potential diseases and the best places in India to grow a particular crop and also the type of advanced irrigation techniques to be used for particular regions on a single cloud platform. the Internet of Things Intelligent irrigation system based on cloud computing, comprise the intelligent irrigation cloud service platform that cloud service is provided, for the intelligent irrigation cloud data center of Management Controller image data, for pick-up transducers data and the internet-of-things terminal Management Controller that controls irrigation equipment, for realizing the irrigation equipment of irrigation and fertilizing integrated, it is characterized in that: irrigation equipment, sensor is all connected with internet-of-things terminal Management Controller, internet-of-things terminal Management Controller is connected with intelligent irrigation cloud data center by wireless network, user obtains service by network login intelligent irrigation cloud service platform, intelligent irrigation cloud service platform is deployed in intelligent irrigation cloud data center, and intelligent irrigation cloud service platform provides service for user.
2. According to claims 1# the invention is to the Internet of Things Intelligent irrigation system based on cloud computing is characterized in that: described intelligent

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**Department of Industrial  
Policy and Promotion**  
Government of India

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Page last updated on: 26/06/2019



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Ministry of Commerce & Industry,  
Government of India

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#### Application Details

APPLICATION NUMBER	202041001322
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/01/2020
APPLICANT NAME	1 . DR. R. MADANA MOHANA 2 . DR. A. RAMA MOHAN REDDY 3 . DR. RAMBABU ARJUNARAO VATTI 4 . DR. NEERAJ KUMAR MISRA 5 . MR. MANOHAR GOSUL 6 . MR. BANDAN KUMAR BHOI 7 . MRS. PODALADA CHANDINI 8 . MR. CHANDIKA MOHAN BABU (ASSISTANT PROFESSOR, ECE DEPT.) 9 . DR. CHUKKA SANTHAIAH
TITLE OF INVENTION	WEB BASED- IRRIGATION SERVICES : ADVANCED CLOUD BASED IMPLEMENTATION OF MASHUP, WEB BASED AGRICULTURE AND IRRIGATION SERVICES.
FIELD OF INVENTION	MECHANICAL ENGINEERING
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/01/2020

#### Application Status

APPLICATION STATUS	<b>Awaiting Request for Examination</b>
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➡ 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)

<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):**

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

Natural Person (✓)	Other than Natural Person ( )		
	Small Entity ( )	Startup ( )	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 inventor(s) **N.A**

Name	Nationality	Country of Residence	Address
NA	NA	NA	NA

**5. TITLE OF THE INVENTION:**

**WEB BASED- IRRIGATION SERVICES** : ADVANCED CLOUD BASED IMPLEMENTATION OF MASHUP, WEB BASED AGRICULTURE AND IRRIGATION SERVICES.

<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. R. MADANA MOHANA  Address: S/O. R. KRISHNAIAH, 22-15, RASINENIVARIPALLE, NOOTHANAKALVA (VILLAGE & POST), KHAMBAMVARIPALLY (MANDAL), CHITTOOR (DISTRICT), ANDHRA PRADESH- 517213,INDIA. Email: <a href="mailto:rmmnaidu@gmail.com">rmmnaidu@gmail.com</a> , Mo.no: +91-9440793154	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:8/1/2020**

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DR. CHUKKA SANTHAIAH

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