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Patent Search

Invention Title	IOT BASED PATIENT MONITORING SYSTEM USING BEAGLEBONE BLACK WIRELESS (OSD3358)
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Publication Type	INA
Application Number	201941037002
Application Filing Date	13/09/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L67/12

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Abstract:

ABSTRACT [44] My Invention "IOT BASED PATIENT MONITORING SYSTEM USING BEAGLEBONE BLACK WIRELESS (OSD3358)" Nowadays Health-care Environment has developed science and knowledge based on advanced Wireless-Sensing node Technology oriented. Patients are facing a problematic situation of unforeseen demise due to the specific reason of heart problems and attack which is because of nonexistence of good medical maintenance to patients at the needed time. This is for specially monitoring the under Age 0 to 12), old age patients and informing doctors and loved ones. So we are proposing a innovative Invention to dodge such sudden death rates by using Patient Health Monitoring that uses sensor technology and uses internet to communicate to the loved ones in case of problems. This system uses Temperature and heartbeat sensor for tracking patients health. Both the sensors are connected to the BEAGLEBONE BLACK WIRELESS Kit. To track the patient health BEAGLEBONE BLACK WIRELESS kit is in turn interfaced to a LCD display and WI-FI connection to send the data to the web-server(wireless sensing node). In case of any abrupt changes in patient heart-rate or body temperature alert is sent about the patient using IoT. This system also shows patients temperature and heartbeat tracked live data with timestamps over the Internetwork. Thus Patient health monitoring system based on IoT uses internet to effectively monitor patient health and helps the user monitoring their loved ones dorm work and saves lives.

Complete Specification

Claims:WE CLAIMS

[43]

1. My Invention "IOT BASED PATIENT MONITORING SYSTEM USING BEAGLEBONE BLACK WIRELESS (OSD3358)" Nowadays Health-care Environment has developed science and knowledge based on advanced Wireless-Sensing node Technology oriented. Patients are facing a problematic situation of unforeseen demise due to the specific reason of heart problems and attack which is because of nonexistence of good medical maintenance to patients at the needed time. This is for specially monitoring the under Age 0 to 12), old age patients and informing doctors and loved ones. So we are proposing a innovative Invention to dodge such sudden death rates by using Patient Health Monitoring that uses sensor technology and uses internet to communicate to the loved ones in case of problems.
2. According to claims 1 # the invention is to provide the real-time medical information about a patient via IoT.
3. According to claims 1 # the invention is to provide the Processing and classification of information gathered about the patient.
4. According to claims 1 # the invention is to provide the interpret and predict any disease or disorder in about the patient.
5. According to claims 1 # the invention is to provide the preliminary stage itself using the data mining techniques that will also provide the approach advantageous for decision making.
6. According to claims 1 # the invention is to provide the Internet of Things based healthcare solutions at anytime and anywhere.

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Policy and Promotion**
Government of India

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Government of India

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Application Details

APPLICATION NUMBER	201941037002
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/09/2019
APPLICANT NAME	1 . DR. KYPA RAJENDRA PRASAD 2 . DR. B.V. RAMNARESH YADAV 3 . DR. CHUKKA SANTHAIAH (ASSOCIATE PROFESSOR, CSE DEPT.)
TITLE OF INVENTION	IOT BASED PATIENT MONITORING SYSTEM USING BEAGLEBONE BLACK WIRELESS (OSD3358)
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/09/2019

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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➡ 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 Patents Rules, 2003 APPLICATION FOR GRANT OF PATENT (See sections 7, 54 & 135 and rule 20(1))	<u>(FOR OFFICE USE ONLY)</u> 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]

Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()

3A. APPLICANT(S):

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PROF. (DR.) S. B. CHORDIYA (DIRECTOR-SIMMC-CAMPUS)	INDIA	AN INDIAN NATIONAL	SURYADATTA INSTITUTE OF MANAGEMENT & MASS COMMUNICATION (SIMMC) SR. NO: 342, BAVDHAN, PUNE-411021, MH, INDIA
DR. YASHPAL SINGH	INDIA	INDIA	FL NO: 104, WING-A, NEAR DAULAT PETROL PUMP, BHUGAON, BAVDHAN, PUNE-15, MH, INDIA

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 ()
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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:

I- Image: INTELLIGENT IMAGE PROCESSING TECHNOLOGY TO DETECT THE OBJECT

6. AUTHORISED REGISTERED PATENT AGENT(S)		NA
ADDITIONAL PATENT AGENTS	NA	

7. ADDRESS FOR SERVICE OF APPLICANT/ PATENT AGENT(S) IN INDIA DR. CHUKKA SANTHAIAH (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: dr.bksarkar2003@yahoo.in
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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.....28/7/19

DR. CHUKKA SANTHAIAH (ASSOCIATE PROFESSOR, CSE DEPT.)
MR. PITY NAGARJUNA
DR. NALUGURU UDAYA KUMAR (DEPT. ECE)
DR.R.POONKUZHALI (ASSOCIATE PROFESSOR)
PROF.(DR.) S. B. CHORDIYA (DIRECTOR-SIMMC-CAMPUS)

DR. YASHPAL SINGH

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