



सत्यमेव जयते



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

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पेटेंट सं. / Patent No.

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आवेदन सं. / Application No.

202041033513

फाइल करने की तारीख / Date of Filing

05/08/2020

पेटेंटी / Patentee

1.Healthcare Technology Innovation Centre 2.Indian Institute of Technology Madras (IIT Madras)

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित A SYSTEM AND METHOD FOR NON-INVASIVE CALIBRATION-FREE BLOOD PRESSURE (BP) MEASUREMENT नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अगस्त 2020 के पांचवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A SYSTEM AND METHOD FOR NON-INVASIVE CALIBRATION-FREE BLOOD PRESSURE (BP) MEASUREMENT as disclosed in the above mentioned application for the term of 20 years from the 5th day of August 2020 in accordance with the provisions of the Patents Act, 1970.



इकांत की दंडित

पेटेंट नियंत्रक

Controller of Patents

अनुदान की तारीख : 12/06/2024
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अगस्त 2022 के पांचवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 5th day of August 2022 and on the same day in every year thereafter.

Patent Search

Invention Title	A SYSTEM AND METHOD FOR NON-INVASIVE CALIBRATION-FREE BLOOD PRESSURE (BP) MEASUREMENT
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Inventor

Name	Address	Country	Nationality
Nabeel Pilaparambil Mashood	HTIC – IIT Madras Healthcare Technology Innovation Centre 5C, 5th Floor, Phase II IIT Madras Research Park Kanagam Road, Taramani, Chennai 600113, India	India	India
Jayaraj Joseph	CSD 321, Dept. Electrical Engineering, Indian Institute of Technology, Chennai, Tamil Nadu 600036, India	India	India
Rahul Manoj	HTIC – IIT Madras Healthcare Technology Innovation Centre 5C, 5th Floor, Phase II IIT Madras Research Park Kanagam Road, Taramani, Chennai 600113, India	India	India
Raj Kiran Vangapandu	HTIC – IIT Madras Healthcare Technology Innovation Centre 5C, 5th Floor, Phase II IIT Madras Research Park Kanagam Road, Taramani, Chennai 600113, India	India	India
Mohanasankar Sivaprakasam	ESB 307A, Dept. Electrical Engineering, Indian Institute of Technology, Chennai Tamil Nadu , 600036, India	India	India

Applicant

Name	Address	Country	Nationality
Healthcare Technology Innovation Centre	HTIC-IIT Madras, C-Block, 5th Floor, IIT Madras Research Park, Kanagam Road, Taramani, Chennai, Tamil Nadu , 600113, India	India	India
Indian Institute of Technology Madras (IIT Madras)	The Dean, Industrial Consultancy & Sponsored Research [IC&SR], Indian Institute of Technology Madras, IIT Madras, P.O, Chennai, Tamil Nadu-600 036, India	India	India

Abstract:

A SYSTEM FOR NON-INVASIVE CALIBRATION-FREE BLOOD PRESSURE (BP) MEASUREMENT A system for measurement of non-invasive and calibration-free blood pressure (BP) is disclosed. The system comprises a measurement probe (302) which is in contact with a person's skin. The measurement probe (302) comprises a first array of sensors (302-1) and a second array of sensors (302-2). The first array of sensors (302-1) determines a force exerted on skin (304) and the second array of sensors (302-2) determines a compression-decompression characteristics of the arteries through skin. The force exerted on skin and the compression-decompression characteristics of the arteries are used to determine indices indicative of the material properties of the vessel. Based on the indices indicative of the material properties of the vessel, blood pressure and continuous transmural pressure waveform may be determined.