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सत्यमेव जयते

क्रम सं/SL No :044197796



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.

564032

आवेदन सं. / Application No.

201941024497

फाइल करने की तारीख / Date of Filing

20/06/2019

पेटेंटी / Patentee

INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IIT
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आविष्कारकों का नाम /Name of Inventor(s)

1.DHARANIPRAGADA JANAKIRAM 2.HIMANSHU GUPTA

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित **COLOSSEUM, A SCALABLE AND BYZANTINE-FAULT TOLERANT CONSENSUS MECHANISM FOR PERMISSIONED SYSTEMS** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जून 2019 के बीसवें 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 **COLOSSEUM, A SCALABLE AND BYZANTINE-FAULT TOLERANT CONSENSUS MECHANISM FOR PERMISSIONED SYSTEMS** as disclosed in the above mentioned application for the term of 20 years from the 20th day of June 2019 in accordance with the provisions of the Patents Act, 1970.



उत्पादक
पेटेंट नियंत्रक

अनुदान की तारीख : 27/03/2025
Date of Grant :

Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जून 2021 के बीसवें 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 20th day of June 2021 and on the same day in every year thereafter.

United
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To Promote the Progress



of Science and Useful Arts

The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Katherine Kelly Vidal

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE