

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17269880
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DATE SIGNED:	03/01/2021
Total Attachments: 2	
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PATENT ASSIGNMENT

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, the undersigned acknowledges the prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, consultation, affiliation, etc., and further acknowledges that they has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**Indian Institute of Technology, Madras (IIT Madras)
The Dean, Industrial Consultancy & Sponsored Research [IC&SR], Indian Institute of
Technology Madras, IIT PO, Chennai, Tamil Nadu, India -600036**

a company of India, and **Indian Institute of Technology, Madras (IIT Madras)** (hereinafter "the Assignee") desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefore relating to:

**"METHOD OF SEARCHING THROUGH TERNARY CONTENT ADDRESSABLE
MEMORY (TCAM) AND SYSTEM THEREOF"**

as set forth in the United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by the attorney docket number referenced above;

executed concurrently herewith or ☒ U.S. Application Serial No. **17/269,880** filed for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefore which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to the Assignee, its successors and assigns, in accordance herewith.

The undersigned warrants and covenants that the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith.

The undersigned further covenants and agrees that he/she, upon the request and at the expense of the Assignee, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the Assignee all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by the Assignee, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and

improvements and for vesting title to such inventions and improvements in the Assignee, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefore or thereon, including reissues, extensions, or counterparts in the United States and worldwide.

Each undersigned hereby grants the Assignee and the practitioner(s) with authorized power of attorney to insert in this document any further identification which may be necessary or desirable for filing and/or recordation of this document.

This assignment is governed by the substantive laws of **USA**.

(1) Name of Inventor: Ganesh Chennimalai Sankaran

Signature: *C. S. Sankaran*

Date: Feb 26, 2021

(2) Name of Inventor: Krishnamoorthy Sivalingam

Signature: *S. Krishnamoorthy*

Date: Feb. 26, 2021

(3) Name of Inventor: Balaji Srinivasan

Signature: *Balaji Srinivasan*

Date: February 26, 2021