

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT5629959

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHUBHENDU SEKHAR MUKHERJEE	07/11/2019
DAVID KRAVITZ	07/11/2019
EDWARD J. MCLELLAN	07/11/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MARVELL SEMICONDUCTOR, INC.
<b>Street Address:</b>	5488 MARVELL LANE
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15880219
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)649-3338
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(248) 649-3333
<b>Email:</b>	docketing@youngbasile.com
<b>Correspondent Name:</b>	YOUNG BASILE HANLON & MACFARLANE, P.C.
<b>Address Line 1:</b>	3001 WEST BIG BEAVER RD.
<b>Address Line 2:</b>	SUITE 624
<b>Address Line 4:</b>	TROY, MICHIGAN 48084
<b>ATTORNEY DOCKET NUMBER:</b>	CAVM-134-B / MP12823
<b>NAME OF SUBMITTER:</b>	ELLIOTT J. MASON, III
<b>SIGNATURE:</b>	/Elliott J. Mason, III Reg. No. 56,569/
<b>DATE SIGNED:</b>	07/22/2019
<b>Total Attachments: 2</b>	
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source=MP12823_Assignment_(EXECUTED)#page2.tif	

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of us, the undersigned inventors,

**Shubhendu Sekhar Mukherjee, David Kravitz, Edward J. McLellan**

who have created a certain invention for which one or more patent applications identified below (hereinafter called "the Patent Application(s)") that have been, or are to be, filed:

Lawfirm Case No.	Application No.	Filing Date	Title
CAVM-134-B	US 15/860,219	01/25/2018	Managing Predictor Selection for Branch Prediction

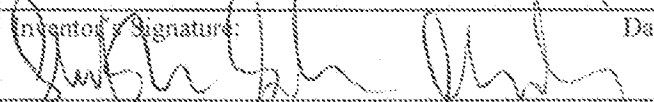
Does hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 5488 Marvell Lane, Santa Clara, CA 95054, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said Patent Application(s) and to any and all inventions described in said Patent Application(s), including applications for Letters Patent for the United States, its territorial possessions, and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions, and all foreign countries; to any and all Letters Patent which may be entitled to the benefit thereof in the United States, its territorial possessions, and all foreign countries, and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions, and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

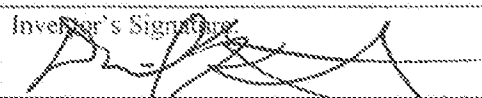
Authorizes and requests that the attorneys of record in any of said Patent Application(s) insert in this assignment the filing date(s) and application number(s) of said Patent Application(s) when officially known;

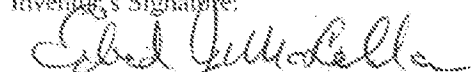
Agrees that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned inventors will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned inventors relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenants with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned inventors, and that full right to convey the same as herein expressed is possessed by the undersigned inventors.

IN TESTIMONY WHEREOF we have hereunto set our signatures on the date(s) indicated below.

Full Name of First Inventor: Shubhendu Sekhar Mukherjee	
Inventor's Signature: 	Date: Month/Day/Year 7/11/2019

Full Name of Second Inventor: David Kravitz	
Inventor's Signature: 	Date: Month/Day/Year 11 JUL 2019

Full Name of Third Inventor: Edward J. McLellan	
Inventor's Signature: 	Date: Month/Day/Year 7/11/2019

Assignee's undersigned representative is empowered to sign this certificate on behalf of Assignee. Assignee's undersigned representative Authorizes and requests that the attorneys of record in any of said Patent Application(s) insert in this assignment the filing date(s) and application number(s) of said Patent Application(s) when officially known.

Accepted on behalf of:

MARVELL SEMICONDUCTOR, INC.

By: 

Name: Kelvin M. Vivian

Title: Director, Assistant General Counsel, IP Development

Date: 11 July 2019