505233166 12/12/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ						
			Name			Executio	on Date
KESHAB K. PARHI						09/25/201	8
RECEIVING PARTY D							
Street Address:		REGENTS OF THE UNIVERSITY OF MINNESOTA					
		600 MCNAMARA ALUMNI CENTER					
Internal Address:		200 OAK STREET SE					
City:		MINNEAPOLIS MINNESOTA					
State/Country:							
Postal Code:	55455-	2020					
PROPERTY NUMBER	S Total: 1						
Property Type							
Property Type	.		Number				
		15874					
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Application Number:		15874					
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UNIVERSITY OF MINNESOTA ASSIGNMENT

WHEREAS, I, Keshab K. Parhi, have invented certain new and useful improvements in STABLE MEMORY CELL IDENTIFICATION FOR HARDWARE SECURITY, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Utility application no. 15/874,512 on January 18, 2018 (the "Application(s)");

Whereas, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignce, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including my rights under the Paris Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted. including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of the provisions of the Paris Convention.

WCK Docket Number: U011.0293US1 SRC Case No.: P1738 – UM Case No.: 20180041

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

WITNESS WHEREOF, I have hereunto set my hand on this day of

Keshab K. Parhi

STATE OF MINNESOTA

COUNTY OF <u>HENNEPIN</u>; On this <u>25</u>th day of <u>September</u>, 2018, before me personally appeared the foregoing Keshab K. Parhi, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

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Notary Public

SUSAN L. AL Notary Public-Minnesota My Commission Expires Jan 31, 2023 MANA MANANA

WCK Docket Number: U011.0293US1 SRC Case No.: P1738 - UM Case No.: 20180041 IN WITNESS WHEREOF, I have hereunto set my hand on this ______ day of ______, 2018 on behalf of Assignce Regents of the University of Minnesota accepting this assignment.

REGENTS OF THE UNIVERSITY OF MINNESOTA

Paul B. Savereide Senior Associate General Counsel per Presidential Delegation DA_028016

STATE OF MINNESOTA

COUNTY OF HENNEPIN

On this <u>25</u>th day of <u>September</u>, 2018, before me personally appeared Paul B. Savereide, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

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<u>H-uspa</u>e Notary Public

SUSAN L. AUSPOS Notary Public-Minnesota My Commission Expires Jan 31, 2023 ****

WCK Docket Number: U011.0293US1 SRC Case No.: P1738 – UM Case No.: 20180041

RECORDED: 12/12/2018