

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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HESHAM OMRAN	08/06/2016
RAWAN NAOUS	05/29/2016
AHMED SULTAN SALEM	07/31/2016
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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SIGNATURE:	/David S. Easwaran/
DATE SIGNED:	02/09/2018
Total Attachments: 6	

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
4700 King Abdullah University Of Science And Technology
Thuwal, Saudi Arabia
23955-6900

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions in

"SINGLE-READOUT HIGH-DENSITY MEMRISTOR CROSSBAR"

as set forth in this United States Patent Application No. 62/210,571, filed August 27, 2015; said application, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as August 27, 2015.

Aug 4, 2016
Date

Mohammed Zidan
Mohammed Affan Zidan

2015-053-01

062467/466683

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6-Aug-2016
Date


Hesham Omran

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29/05/2016
Date


Rawan Naous

2015-053-01

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July 31st, 2016

Date

Ahmed Sultan

Ahmed Sultan Salem

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Khaled Salama

8/7/2016

Date

Khaled Nabil Salama