## 504305511 04/04/2017 PATENT ASSIGNMENT COVER SHEET

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I     Name   Execution Date     BAKER SHEHADAH MOHAMMAD   11/27/2013     DIRAR AL-HOMOUZ   11/27/2013     TIT/27/2013	SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
Name Execution Date   BAKER SHEHADAH MOHAMMAD 11/27/2013   DIRAR AL-HOMOUZ 11/27/2013   DIRAR AL-HOMOUZ 11/27/2013   RECEIVING PARTY DATA Integration of the second of	NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
BAKER SHEHADAH MOHAMMAD 111/27/2013 DIRAR AL-HOMOUZ 111/27/2013 RECEIVING PARTY DATA Name: KHALIFA UNIVERSITY OF SCIENCE, TECHNOLOGY & RESEARCH (KUSTAR) Street Address: P.O. BOX 127788 City: ABU DHABI State/Country: UNITED ARAB EMIRATES PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 15062395 CORRESPONDENCE DATA Fax Number: (216)621-6165 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 using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent CORRESPONDENCE DATA Fax Number: LUIS A. CARRION Address Line 1: 1621 EUCLID AVE. Address Line 2: 19TH FLOOR Address Line 2: 19TH FLOOR Address Line 4: CLEVELAND, OHIO 44115 TTORNEY DOCKET NUMBER: ATCOP0109USA IAME OF SUBMITTER: LUIS A. CARRION IGNATURE: /Luis A. CARRION IGNATURE: /Luis A. CARRION IGNATURE: /Luis A. CARRION	CONVEYING PARTY D	ΑΤΑ					
DIRAR AL-HOMOUZ   11/27/2013     RECEIVING PARTY DATA     Name:   KHALIFA UNIVERSITY OF SCIENCE, TECHNOLOGY & RESEARCH (KUSTAR)     Street Address:   P.O. BOX 127788     City:   ABU DHABI     State/Country:   UNITED ARAB EMIRATES     PROPERTY NUMBERS Total: 1     Property Type   Number     Application Number:   15062395     CORRESPONDENCE DATA     Fax Number:   (216)621-6165     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 using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent using a fax number;     Phone:   216-621-1113     Email:   vmaichl@rennerotto.com     Correspondent Name:   LUIS A. CARRION     Address Line 1:   1621 EUCLID AVE. <th></th> <th></th> <th>Name</th> <th></th> <th></th> <th>Execution Date</th>			Name			Execution Date	
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<b>ATE SIGNED:</b> 04/04/2017	NAME OF SUBMITTER:		LUIS A. CARRION				
	SIGNATURE:		/Luis A. Carrion/	/Luis A. Carrion/			
otal Attachments: 1	DATE SIGNED:		04/04/2017				
	Fotal Attachments: 1		·				

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## **DEED OF ASSIGNMENT**

We, the undersigned:

MOHAMMAD, Baker Shehadah of 13316 Kinder pass, Austin, Texas 78727 United States of America

And

AL - HOMOUZ, Dirar of 17107 Taftsberry Ct., Houston, Texas 77095, United States of America

Hereby declare that we are the sole inventors of the invention entitled:

A SYSTEM AND A METHOD FOR DESIGNING A HYBRID MEMORY CELLWITH MEMRISTOR AND COMPLEMENTARY METAL-OXIDE SEMICONDUCTOR as described in US Patent Application No. 13/691,830 filed on 2 December 2012 (the "Invention");

And that we hereby irrevocably assign our entire rights in the Invention worldwide, including but not limited to the rights in any patent application already filed in any country whatsoever (including US Patent Application No. 13/691,830) and the rights in any patent application to be filed in the future in any country whatsoever at the sole discretion of the Assignee including a PCT application, for good and valuable consideration the sufficiency of which is hereby acknowledged, to:

KHALIFA UNIVERSITY OF SCIENCE, TECHNOLOGY & RESEARCH (KUSTAR) of P.O. BOX 127788 Abu Dhabi, United Arab Emirates (the "Assignee")

Executed in Abu Dhabi, United Arab Emirates, on this 27th day of November 2013

Bater

MOHAMMAD, Baker Shehadah

Davar Homen 1 200

AL – HOMOUZ, Dirar

PATENT REEL: 041846 FRAME: 0699

**RECORDED: 04/04/2017**