

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3918143

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SEONGJAE CHO	06/07/2016
<b>RECEIVING PARTY DATA</b>	
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<b>Postal Code:</b>	13120
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15182640
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<b>ATTORNEY DOCKET NUMBER:</b>	POG16-002US
<b>NAME OF SUBMITTER:</b>	GERALD E. HESPOS
<b>SIGNATURE:</b>	/Gerald E. Hespos/
<b>DATE SIGNED:</b>	06/15/2016
<b>Total Attachments: 1</b>	
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Atty.

Ref.: POG16-002US

**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee, Gachon University of Industry-Academic cooperation Foundation, an institution of higher education having powers under the laws of Republic of Korea, located at 1342, Seongnam-daero, Sujeong-gu, Seongnam-si, Gyeonggi-do 13120, Republic of Korea, receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers and sets over unto the said assignee the entire right, title and interest in and to the invention or improvement entitled "RESISTIVE RANDOM ACCESS MEMORY DEVICE EMBEDDING TUNNEL INSULATING LAYER AND MEMORY ARRAY USING THE SAME AND FABRICATION METHOD THEREOF", said invention being fully described and/or claimed in the application for Letters Patent of the United States of America, executed this date, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

**And Said Assignee Is Hereby Authorized** to make application for and to receive Letters Patent for said invention in any of said countries at its election.

**And By This Covenant The Undersigned** will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said Assignee, its successors, assigns or other legal representatives, and, upon the request and at the expense of said assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of said assignee, its successors, assigns or other legal representatives.

**And The Commissioner Of Patents Is Hereby Authorized And Requested to** issue any and all Letters Patent of the United States for said invention, to said assignee.

Jun. 9, 2016  
Date

Seongjae Cho  
Seongjae Cho