## 506213597 08/20/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6260340

SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT			
		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
YU MI KIM			08/05/2020		
RECEIVING PARTY DA	ATA				
ame: SK HYNIX INC.					
Street Address:	2091, GY	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI			
City:	GYEONG	GYEONGGI-DO			
State/Country:	KOREA,	KOREA, REPUBLIC OF			
PROPERTY NUMBERS Total: 1		Number			
Property Type   Application Number: 16		6998530			
CORRESPONDENCE I	ΔΑΤΑ				
Fax Number:	(5	71)327-5452			
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Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 2	(5 provided; 57 ip IP 82 SI VI UMBER:	he e-mail address first; if that is unsuccessful, it will b 713275450 ntlaw@ipntlaw.com 2 & T GROUP LLP 230 LEESBURG PIKE UITE 650 IENNA, VIRGINIA 22182 P20H0059/US JEONGSOOK YI /Jeongsook YI/ 08/20/2020	e sent via US Mail.		

Attorney Docket No.: <sup>35,555</sup> SHINSUNG:1VX000143634(P20H0059/US)

## ASSIGNMENT OF AND DECLARATION (37 CFR 1.63) FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Yu Mi KIM , hereinafter referred to collectively as the assignor and inventor, has invented

a certain improvement relating to

MEMORY SYSTEM FOR READ OPERATION AND OPERATING METHOD THEREOF

[X] said application being attached hereto.

1 ] said application having been filed in the United States Patent and Trademark Office on		
as Application Serial No, and was amended on		_(if applicable);
[] the specification of which was filed under the Patent Cooperation Treaty on	4	
Serial No, the United States of America being designated		

AND WHEREAS <u>SK hvnix Inc. of 2091</u>, Gyeongehung-daero, Bubal-enb, Icheon-si, Gyeonggi-do, Republic of <u>Korea</u>, hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof (i.e. divisional, continuation, and continuation-in-part applications), and in and to said invention and improvements ("invention") and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a mauner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignce, or said assignce's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignce, and said assignce's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNOR (INVENTOR):

Signature:

Yumí kim

Date 8/5 / 2020

Page 1 of 2



SKhynix

召异印/FWtx机印Tech

Attorney Docket No.: SHINSUNG:IVX000143634(P20H0059/US)

## Printed or Typed Name: Yu Mi KIM

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김유미/FW차세미Tech

