507016295 12/08/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7063129

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUNG JIN PARK	11/30/2021
BEOM RAE JEONG	11/30/2021

RECEIVING PARTY DATA

Name:	SK HYNIX INC.
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17545464

CORRESPONDENCE DATA

Fax Number: (571)327-5452

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 via US Mail.

Phone: 5713275450

Email:ipntlaw@ipntlaw.comCorrespondent Name:IP & T GROUP LLPAddress Line 1:102 MAPLE AVE. E

Address Line 4: VIENNA, VIRGINIA 22180

ATTORNEY DOCKET NUMBER:	FP21-2425/HNX/US
NAME OF SUBMITTER:	DRAGAN PLAVSIC
SIGNATURE:	/Dragan PLAVSIC/
DATE SIGNED:	12/08/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 507016295 REEL: 058336 FRAME: 0596

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

WHEREAS Sung Jin PARK , hereinafter referred to collectively as the assignor and	invento	r has	invented a
certain improvement relating to	111, 02110	.,	invenied a
MEMORY SYSTEM AND OPERATING METHOD OF MEMORY SYSTEM.			
[X] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on	and	was	amended
AND WHEREAS SK Hynix Inc. hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and application, including any and all divisions and continuations thereof (i.e. divisional, continuation, a applications), and in and to said invention and improvements ("invention") and any and all patents we therefor, including any and all renewals, reissues and prolongations thereof;			
NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledge assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and interest in and to said application, including any and all divisions and continuations thereof, and in a any and all patents which may be granted therefor, including any and all renewals, reissues and processing and said assignee's successors and assigns, to have, hold, exercise and enjoy the said applications and continuations thereof, and the said invention and any and all patents which may including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privationly anywise arising from or appertaining thereto, for and during the term or terms of any and all successing any and all renewals, reissues and prolongations thereof, for the use and benefit of assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might enjoyed the same, if this assignment had not been made.	ed, said exclusive and to sa blongation, in any be go leges and patent said assor could	assign ve right id involuted including granted advisor when signee, d have	tor hereby t, title and ention and creof; said ag any and therefor, antages in granted, and said held and
AND said assignor hereby agrees to perform, upon the request of said assignee, or said assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any around prolongations thereof.	ıssignee ıd all rei	's succ newals	essors or , reissues
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to said application, and on any and all divisions and continuations thereof, to said assignee, and said assigns, in accordance herewith.	issue I signee's	etters succe	Patent on ssors and
As an above-named inventor, I hereby declare that the above-identified application was made by me, and that I am the original inventor or an original joint inventor of a claimed invention in	ade or a the app	uthori: licatio	zed to be n.
I hereby acknowledge that any willful false statement made in this declaration is punishable by fine or imprisonment of not more than five (5) years, or both.	under	18 U.S	.C. 1001
ISSIGNOR (INVENTOR):			
ignature: Sung Jin PARK Date: 2021	. [1.	30	
			er e e
rinted or Typed Name: Sung Jin PARK			

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

WHEREAS Beom Rae JEONG	_, hereinafter referred to collectively a	is the assignor a	nd inventor, h	as invented a
ertain improvement relating to				
MEMORY SYSTEM AND OPERATING	METHOD OF MEMORY SYSTEM,			
X] said application being attached heretong as an application having been filed in the same as Application of which was filed undertal No, the United States of Am	he United States Patent and Trademark optication Serial No(if applicable); nder the Patent Cooperation Treaty on			as amended
AND WHEREAS SK Hynix Inc.				
nereinafter referred to as the assignee or ap application, including any and all divisions applications), and in and to said invention in therefor, including any and all renewals, re	and continuations thereof (i.e. divisio and improvements ("invention") and a	nal, continuatio	n, and continu	ation-in-part
consideration paid by said assignee to sa- assigns, sells and transfers to said assignee interest in and to said application, includin my and all patents which may be granted assignee, and said assignee's successors an all divisions and continuations thereof, a neluding any and all renewals, reissues ar anywise arising from or appertaining ther neluding any and all renewals, reissues assignee's successors and assigns, in as ar enjoyed the same, if this assignment had no AND said assignor hereby agrees assigns, any and all acts relating to the obt and prolongations thereof.	e, and said assignce's successors and as g any and all divisions and continuation therefor, including any and all renewald assigns, to have, hold, exercise and cond the said invention and any and and prolongations thereof, with all the reto, for and during the term or terms and prolongations thereof, for the unple and beneficial a manner as the soft been made. It to perform, upon the request of said aiming or to the asserting of said pater. It requests the Commissioner of Patent.	ereby acknowle ssigns, the full a ons thereof, and als, reissues and enjoy the said ap all patents whice eights, powers, p of any and all use and benefit aid assignor mi al assignee, or sa ats, including an	edged, said as and exclusive a in and to said prolongations oplication, including the may be graphically and assigned as and assigned as and all renewas to issue Let	signor hereby right, title and invention and thereof; said uding any and nted therefor, advantages in when granted, nee, and said nave held and successors or wals, reissues ters Patent on
As an above-named inventor, I had by me, and that I am the original inventor	ereby declare that the above-identified entor or an original joint inventor of a			
I hereby acknowledge that any wi by fine or imprisonment of not more than f	iliful false statement made in this decl ive (5) years, or both.	aration is punis	hable under 11	3 U.S.C. 1001
ASSIGNOR (INVENTOR):				
signature: BEOH PAE ;	JC0H9	Date: 3-03	4.11.30	
Printed or Typed Name: Beom	Rae JEONG			

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RECORDED: 12/08/2021

PATENT REEE: 0583362 FRAME: 05989:29