PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6278698

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JI HWAN PARK	08/24/2020
JUN IL MOON	08/24/2020
BYUNG KUK YOON	08/24/2020
MYEONG JAE PARK	08/24/2020

RECEIVING PARTY DATA

Name:	SK HYNIX INC.	
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, ICHEON-SI	
City:	GYEONGGI-DO	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	17336	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17009403

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.com

Correspondent Name: IP & T GROUP LLP

Address Line 1: 8230 LEESBURG PIKE

Address Line 2: SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	P20H0083/US	
NAME OF SUBMITTER:	JEONGSOOK YI	
SIGNATURE:	/Jeongsook YI/	
DATE SIGNED:	09/01/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

PATENT REEL: 053662 FRAME: 0017 source=P20H0083US-Assignment#page1.tif
source=P20H0083US-Assignment#page2.tif
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source=P20H0083US-Assignment#page4.tif

PATENT REEL: 053662 FRAME: 0018

WHEREAS Ji Hwan PARK hereinafter referred to collectively as the assignor and inventor, has invented a
certain improvement relating to
DELAY CIRCUIT AND PHASE INTERPOLATOR
[X] said application being attached hereto; [] 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, Serial No, the United States of America being designated.
AND WHEREAS SK hynix Inc. of 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korca, 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 assignor, the receipt of which is hereby acknowledged, said assignor 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 manner 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 assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, resssues 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 assignee, and said assignee'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: 12020 / 8 / 24
Printed or Typed Name: <u>Ji Hwan PARK</u>
나 이 이 사람들은 이 생활하는 방문을 나타는 사람들이 가지 않아 나를 가득하는 것이 없었다. 그는 사람들이 나를 가지 않아 나를 가지 않아 나를 가지 않아 나를 했다. 사람들이 사람들이 살아 없다.

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WHEREAS Jun II MOON , hereinshed teleffed to concervely as the assignor and novemor, has invented	23.
certain improvement relating to	
DELAY CIRCUIT AND PHASE INTERPOLATOR	
[X] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on	
AND WHEREAS SK hynix Inc. of 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic o Korea, hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in an said application, including any and all divisions and continuations thereof (i.e. divisional, continuation, and continuation part applications), and in and to said invention and improvements ("invention") and any and all patents which may be gratherefor, including any and all renewals, reissues and prolongations thereof;	d to -in-
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AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successor assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reis and prolongations thereof.	
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Pater said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors assigns, in accordance herewith.	i or anc
As an above-named inventor, I hereby declare that the above-identified application was made or authorized t made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.	o be
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. by fine or imprisonment of not more than five (5) years, or both.	100
ASSIGNOR (INVENTOR):	
Signature:	
Printed or Typed Name: Jun Il MOON	
그리는 내용 사용하게 하는 사용에 가게 되었다.	

Page 2 of 4

Page 4 of 4

WHEREAS Mycong Jae PARK herematter referred to collectively as the assignor and inventor, has invented a
certain improvement relating to
DELAY CIRCUIT AND PHASE INTERPOLATOR
[X] said application being attached hereto; [] said application having been filed in the United States Patent and Trademark Office on
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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 confinuations 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 assignes'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 manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.
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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: Myeary-5n Pas Date: 2020/8/24
Printed or Typed Name: Myeong Jae PARK