506701606 06/07/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6748425

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EUN JI CHOI	05/31/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17340777

CORRESPONDENCE DATA

Fax Number: (630)323-0335

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.

Email: uspto.actions@wpapat.com

Correspondent Name: WILLIAM PARK & ASSOCIATES LTD.

Address Line 1: 930 N. YORK ROAD, SUITE 201

Address Line 4: HINSDALE, ILLINOIS 60521

ATTORNEY DOCKET NUMBER:	PA4614-0	
NAME OF SUBMITTER:	W. WILLIAM PARK	
SIGNATURE:	/W. William Park/	
DATE SIGNED: 06/07/2021		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 1

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PATENT 506701606 REEL: 056457 FRAME: 0185

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

application. I hereby acknowledge that any willful false statement made in this declaration punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) yet or both. NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt where is acknowledge, and other good and valuable consideration, I, by these presents do stassign and transfer unto said assignee(s) SK hynix Inc. 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea and the heirs, successors, assigns and legal representatives of the assignee(s) the fand exclusive right to the said invention in the United States and in its territor possessions and in any and all foreign countries any and all improvements thereof, the entire rights, tittle and interest in and to any and all Patents which may be grant therefore in the United States, I hereby authorize and request the Director of the U.Patent and Trademark Office to issue said United States Patent to said assignee(s), of tentire right, title, and interest in and to the same, for his sole use and for the use of I legal representatives, to the full end of the term for which said Patent may be granted, fully and entirely as the same would have been held by me had this assignment and so to been made. I agree promptly upon request of the assignee(s), its heirs, successors, assigns a legal representatives of the assignee(s) to communicate any facts known to it respectify the patent and the invention set forth therein, and to execute and deliver without furth compensation any power of attorney. Assignment, application, whether origin continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or upon made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with pertinent facts and documents relating to said invention and said Letters Patent and lifigation relate	Title of Invention	DATA OUTPUT APPARATUS AND SEMICONDUCTOR APPARATUS INCLUDING THE DATA OUTPUT APPARATUS		
is acknowledge, and other good and valuable consideration, I, by these presents do si assign and transfer unto said assignee(s) 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea and the heirs, successors, assigns and legal representatives of the assignee(s) the and exclusive right to the said invention in the United States and in its territor possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all patents which may be grant therefore in the United States. I hereby authorize and request the Director of the U. Patent and Trademark Office to issue said United States Patent to said assignee(s), of it entire right, title, and interest in and to the same, for his sole use and for the use of it legal representatives, to the full end of the term for which said Patent may be granted, fully and entirely as the same would have been held by me had this assignment and so not been made. I agree promptly upon request of the assignee(s), its heirs, successors, assigns a legal representatives of the assignee(s) to communicate any facts known to it respect the patent and the invention set forth therein, and to execute and deliver without furth compensation any power of attorney. Assignment, application, whether origin continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or whe made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with pertinent facts and documents relating to said invention and said Letters Patent and legical propersentatives any and all papers, instruments or affidavits required to apply for, obta maintain, issue and enforce said application, said invention and said Letters Patent a said equivalents thereof which may be necessary or desirable to carry out the purpos thereof. Inventor Name (First M	Declaration	The declaration is directed to: The attached application, or United States application or PCT international application number PCT/KR########### filed on The above-identified application was made or authorized to be made by me. I believe that I am the original 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		
Legal Name	Assignment	SK hynix Inc. 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney. Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary. I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale. I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equiva		
Of Inventor Signature: Fun J7 CN-Z				
Date: May 31, 2021			A. A	

A total of __ supplemental sheet(s) are attached hereto for additional inventors, if any.

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