PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3936186

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONG SUNG LEE	05/26/2016
DEOK WON KANG	05/26/2016
JONG SU KIM	05/26/2016
DONG JAE LEE	05/26/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15193287

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: PA2817-0	
NAME OF SUBMITTER: WOOCHOON W. PARK	
SIGNATURE:	/Woochoon W. Park/
DATE SIGNED:	06/27/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT REEL: 039013 FRAME: 0182

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

Title of Invention	SENSE AMPLIFIER AND INPUT/OU APPARATUS INCLUDING THE SAN	TPUT CIRCUIT OF SEMICONDUCTOR
Declaration	PCT/KR############# filed on The above-identified application wa I believe that I am the original or a application. I hereby acknowledge that any v	or or PCT international application number
Assignment	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, i, by these presents do sell, assign and transfer unto said assignee(a) 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 engine 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 end 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 relistue, 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 a	
Legal Name	Inventor Name (First Middle LAST): Inventor Signature:	Yong Sung LEE Yong Sung LEG
Of Inventor	Date	May 26, 2016

🖾 A total of 2 supplemental sheet(s) are attached hereto for additional inventors, if any.

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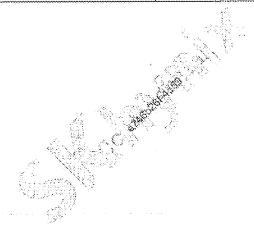
SNK:OPX16060-039US

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

Legal Name	Inventor Name (First Middle LAST):	Deok Won KANG
Of Joint Inventor, If	Inventor Signature:	
Any	Date:	May 26, 2016

Legal Name	inventor Name (First Middle LAST):	Jong Su KIM
Of Joint Inventor, If	Inventor Signature:	Jony Su KIM
Any	Date:	May 26, 2016

***************	Legal Name	Inventor Name (First Middle LAST):	Dong Jae LEE
-	Of Joint Inventor, If	Inventor Signature:	Obre Juc LEE
-	Any	Date:	May 26, 2016



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RECORDED: 06/27/2016 REEL: 039013 FRAME: 0184