502131407 11/16/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hyung Soo KIM	11/09/2012

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:	13604472	

CORRESPONDENCE DATA

Fax Number: 6309087653

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6309087652

Email: uspto.actions@wwplaw.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:	PA0812-0
NAME OF SUBMITTER:	Woochoon William Park

Total Attachments: 2

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PATENT REEL: 029309 FRAME: 0972 OF \$40.00 15604472

PATENT

ASSIGNMENT OF APPLICATION

Now, therefore, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the assignor(s)

ASSIGNOR(S)

KIM, Hyung Soo 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do 467-734, Republic of Korea

by these presents do sell, assign and transfer unto said assignee

ASSINGEE

SK hynix Inc. 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do 467-734, Republic of Korea

and the heirs, successors, assigns and legal representatives of the assignee the full and exclusive right to the said invention in the United States which are disclosed in the U.S. patent application titled

SENSE AMPLIFIER CIRCUIT AND SEMICONDUCTOR DEVICE USING THE SAME

or which an application for a United States Patent was filed on September 5.

2012 Application Number 13/604,472; or	
for which an application for a United States undersigned on	Patent was executed by the
and any and all improvements thereof, the entire rig any and all Patents which may be granted therefo hereby authorize and request the Director of the Office to issue said United States Patent to said ass and interest in and to the same, for his sole use representatives, to the full end of the term for which as fully and entirely as the same would have assignment and sale not been made.	ore in the United States. I/We U.S. Patent and Trademark signee, of the entire right, title, and for the use of his legal a said Patent may be granted,

The assignor(s) agree promptly upon request of the Assignee, its heirs, successors, assigns and legal representatives of the assignee to communicate any facts known to it respecting the patent and the invention set forth therein,

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DOCKET: PATENT

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 or fully

Assignor(s) hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

Assignor(s) further covenants that assignee 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 Assignor(s) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to assignee 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 equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNOR SIGNATURE(S)

Hymysoo	Kim		20/2.11.9	
KIM, Hyung Soo		Date		