U.S. PTO 11/987989 12/06/2007 12-13-2007

FORM PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp 6/30/2008) RECORD.

103468380

J.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 01261-0054 Attorney Customer Number: 22,85

To the Director of the U.S. Patents and Trademarks Office: Please record the attached original documents or copy thereof.							
1.	Name of conveying party:			2. Name and address of receiving party:			
	Joong II CHOI			HYNIX SEMICONDUCTOR INC.,			
Addition	al name of conveying party attached?   Yes   N	lo	Internal Address:				
3. Novem	Nature of conveyance/Execution Date: ber 26, 2007		Street Address:	San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Korea			
⊠	Assignment						
	Security Agreement Change of Name				Zip Code:		
	Joint Research Agreement						
	· · · · · · · · · · · · · · · · · · ·			Additional value of Additional Designation			
	Executive Order 9424, Confirmatory License	Additional name & Address attached?					
	Other			] Yes	⊠ No		
4.	4. Application number or patent number:   This document is being filed together with a new application.						
Α.	Patent Application Number:		В. Р	atent Number:			
I Additional numbers attached? ☐ Yes          No							
5.	Name and address of to whom correspondence concerning document should be mailed:	6. Total number of applications and registrations involved: 1					
Name:	Mr. Ernest F. Chapman	7. Total fee (37 CFR 3.41): \$40					
		☐ Aut	horized to be losed (Pleas	e charged by cre e charged to de se charge defici government inte	posit account ency to deposit		
Internal	Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.	8. Payment I	nformation				
Street A	Address: 901 New York Avenue, NW	a. 0	Credit Card	Last 4 Number Expiration Date	ers ate		
City:	Washington, D.C.	b. [	Deposit Acco	ount No.:	<u>06-0916</u>		
State:	Zip: 20001-44 13	4	Authorized L	ļser Name			
8.	Statement and signature.						
To the best of my knowledge and belief, the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached complete the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct and any attached to the foregoing information is true and correct any attached to the foregoing information is true and correct and any attached to the foregoing information and any attached to the foregoing information is true and correct any attached to the foregoing information in the foregoing information and any attached to the foregoing information and any attached to the foregoing information and any attached to the foregoing information and any a							
	Ernest F. Chapman	affle			December 6	, 2007	
	Reg. No. 25,961		Signature		Date		
Total number of pages including cover sheet, attachments and documents: 3							

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO box 1450, Alexandria, VA 22313-1450

PATENT REEL: 020247 FRAME: 0927

## Attorney Docket No.:

JOINT INVENTION (U.S. Rights Only)

);

## **ASSIGNMENT**

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

## SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME

for which we executed an application for United States Letters Patent concurrently herewith or on or filed an application for United States Letters Patent on (Application No. and

WHEREAS, Hynix Semiconductor Inc., a corporation of Republic of Korea, whose post office address is San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Korea. (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or decirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. , filed ) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

PATENT

REEL: 020247 FRAME: 0928

## Attorney Docket No.:

First Assign	or		
Assignor:	Joong II CHOI		
Address:	#102-1505 Shinhan Apt., Sinha 1-ri, Bubal-eu Icheon-si, Gyeonggi-do 467-858, Korea		
Citizenship:	Republic of Korea		
Signature:	ight.		
Date:	November 26, 2007		
Second Acc	!		
Second Ass Assignor:	ignor —————————		
Address:			
Citizenship:	· · · · · · · · · · · · · · · · · · ·		
Signature:			
Date:			
Third Assignor Assignor:			
Address:			
Citizenship:	· · · · · · · · · · · · · · · · · · ·		
Signature:			
Date:			

PATENT REEL: 020247 FRAME: 0929

RECORDED: 12/06/2007 REEL: 0