

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Young-Jin CHO</td> <td>04/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Young-Jin CHO	04/26/2012
Name	Execution Date				
Young-Jin CHO	04/26/2012				
RECEIVING PARTY DATA					
Name:	SAMSUNG ELECTRONICS CO.,LTD.				
Street Address:	129, Samsung-ro, Yeongtong-gu				
Internal Address:	Gyeonggi-do				
City:	Suwon-si				
State/Country:	KOREA, REPUBLIC OF				
Postal Code:	443-742				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13476609</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13476609
Property Type	Number				
Application Number:	13476609				
CORRESPONDENCE DATA					
Fax Number:	(202)293-7860				
Phone:	202-293-7060				
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>					
Correspondent Name:	SUGHRUE MION, PLLC				
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Address Line 2:	SUITE 800				
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037				
ATTORNEY DOCKET NUMBER:	Q129108				
NAME OF SUBMITTER:	Sachiko Reynolds (Teams Dept.)				
Total Attachments: 1 source=ASSIGNMENT_EXECUTED_AS_FILED#page1.tif					

OP \$40.00 13476609

Assignment

Whereas, I, Young-Jin CHO of Hwaseong-si, Republic of Korea, hereinafter called assignor, have invented certain improvements in SEMICONDUCTOR DEVICE and executed an application for Letters Patent of the United States of America therefor on _____; and


Whereas, SAMSUNG ELECTRONIC CO.,LTD. of 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I, the above named assignor, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I hereby authorize and request my attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the application number, confirmation number and filing date of said application when known.

Date:

2012.04.26 

s/Young-Jin CHO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)