

PATENT ASSIGNMENT

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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>Chang-Cheol LEE</td> <td>06/05/2012</td> </tr> <tr> <td>Hyun-jun KIM</td> <td>06/05/2012</td> </tr> <tr> <td>In-Young LEE</td> <td>06/05/2012</td> </tr> <tr> <td>Ki-Kwon JEONG</td> <td>06/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chang-Cheol LEE	06/05/2012	Hyun-jun KIM	06/05/2012	In-Young LEE	06/05/2012	Ki-Kwon JEONG	06/05/2012		
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu</td> </tr> <tr> <td>Internal Address:</td> <td>Gyeonggi-do</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		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
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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												
Address Line 1:	2100 PENNSYLVANIA AVE. NW												
Address Line 2:	Suite 800												
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037-3213												
ATTORNEY DOCKET NUMBER:	Q129528												
NAME OF SUBMITTER:	Alexandra Hamilton - Teams Specialist												
Total Attachments: 1 source=Assignment_executed#page1.tif													

OP \$40.00 13533473

PATENT

Assignment

Whereas, We, Chang-Cheol LEE of Hwaseong-si, Republic of Korea; Hyun-jun KIM of Hwasong-si, Republic of Korea; In-Young LEE of Yongin-si, Republic of Korea; and Ki-Kwon JEONG of Cheonan-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in SEMICONDUCTOR PACKAGE INCLUDING SEMICONDUCTOR CHIP WITH THROUGH OPENING and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS 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,

We, the above named assignors, 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 we 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 we 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.

We hereby authorize and request our 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: Chang Cheol Lee 2012. 06. 05
s/Chang-Cheol LEE

Date: Hyun Jun Kim 2012. 06. 05
s/Hyun-jun KIM

Date: In-Young Lee 2012. 06. 05
s/In-Young LEE

Date: Ki Kwon Jeong 2012. 6. 5
s/Ki-Kwon JEONG

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