

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kwan-Heum LEE	06/22/2011
Soon-Wook JUNG	06/22/2011
Jung-Hyun PARK	06/22/2011
Wook-Je KIM	06/22/2011
Jong-Sang BAN	06/22/2011
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	416, Maetan-dong, Yeongtong-gu
Internal Address:	Gyeonggi-do
City:	Suwon-si
State/Country:	REPUBLIC OF KOREA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13183630
CORRESPONDENCE DATA	
Fax Number:	(202)293-7860
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-293-7060
Email:	MABRAMS@SUGHRUE.COM
Correspondent Name:	SUGHRUE MION, PLLC
Address Line 1:	2100 PENNSYLVANIA AVENUE, N.W.
Address Line 2:	SUITE 800
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037
ATTORNEY DOCKET NUMBER:	Q124801
NAME OF SUBMITTER:	Michael S. Abrams - Patent Specialist
Total Attachments: 1 source=ASSIGNMENT_EXECUTED_AS_FILED#page1.tif	

OP \$40.00 13183630

501595897

**PATENT
 REEL: 026597 FRAME: 0702**

Assignment

Whereas, We, Kwan-Heum LEE of Suwon-si, Republic of Korea; Soon-Wook JUNG of Hwaseong-si, Republic of Korea; Jung-Hyun PARK of Seoul, Republic of Korea; Wook-Je KIM of Gwacheon-si, Republic of Korea; and Jong-Sang BAN of Hwaseong-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in METHODS OF MANUFACTURING SEMICONDUCTOR DEVICES 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,, Korea, Republic of, (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, the confirmation number and filing date of said application when known.

Date: 2011. 6. 22 Kwan heum lee
s/Kwan-Heum LEE

Date: 2011. 6. 22 Soonwook Jung
s/Soon-Wook JUNG

Date: 2011. 6. 22 Jung Hyun Park
s/Jung-Hyun PARK

Date: 2011. 6. 22 Wookje Kim
s/Wook-Je KIM

Date: 2011. 6. 22 Jong Sang Ban
s/Jong-Sang BAN

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