

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Kyoung-ho SON</td><td>11/29/2007</td></tr><tr><td>Ja-gun KWON</td><td>11/29/2007</td></tr></tbody></table>	Name	Execution Date	Kyoung-ho SON	11/29/2007	Ja-gun KWON	11/29/2007	
Name	Execution Date						
Kyoung-ho SON	11/29/2007						
Ja-gun KWON	11/29/2007						
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							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12023235</td></tr></tbody></table>	Property Type	Number	Application Number:	12023235			
Property Type	Number						
Application Number:	12023235						
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:	pharris@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:	Q104415						
NAME OF SUBMITTER:	Darryl Mexic						
Total Attachments: 1 source=ASSN#page1.tif							

CH \$40.00 12023235

500453095

PATENT
REEL: 020448 FRAME: 0647

Assignment


Whereas, We, Kyoung-ho SON of Suwon-si, Republic of Korea and Ja-gun KWON of Seoul, Republic of Korea, respectively, hereinafter called assignor(s), have invented certain improvements in METHOD AND APPARATUS FOR MANAGING VARIABILITY POINTS and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 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;

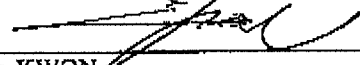
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

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 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 and filing date of said application when known.

Date: 2007. 11. 27 

s/Kyoung-ho SON

Date: Nov. 29, 2007. 

s/Ja-gun KWON

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

PATENT