

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>Seung-hyun YOON</td> <td>12/07/2011</td> </tr> <tr> <td>Moon-sang LEE</td> <td>12/07/2011</td> </tr> <tr> <td>Min-soo KOO</td> <td>12/07/2011</td> </tr> <tr> <td>Ji-in NAM</td> <td>12/07/2011</td> </tr> </tbody> </table>		Name	Execution Date	Seung-hyun YOON	12/07/2011	Moon-sang LEE	12/07/2011	Min-soo KOO	12/07/2011	Ji-in NAM	12/07/2011
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<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, 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>REPUBLIC OF KOREA</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu,	Internal Address:	Gyeonggi-do	City:	Suwon-si	State/Country:	REPUBLIC OF KOREA
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (202)293-7860</p> <p>Phone: 202-293-7060</p> <p>Email: Sughrue@Sughrue.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: SUGHRUE MION, PLLC</p> <p>Address Line 1: 2100 PENNSYLVANIA AVENUE, N.W.</p> <p>Address Line 2: SUITE 800</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20037</p>											
ATTORNEY DOCKET NUMBER:	Q127438										
NAME OF SUBMITTER:	Jeffrey Heller - Teams Department										
<p>Total Attachments: 1</p> <p>source=Assignment_Executed#page1.tif</p>											

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Assignment

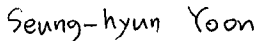


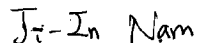
Whereas, We, **Seung-hyun YOON** of Anyang-si, Republic of Korea; **Moon-sang LEE** of Yongin-si, Republic of Korea; **Min-soo KOO** of Seoul, Republic of Korea; and **Ji-in NAM** of Seoul, Republic of Korea, hereinafter called assignors, have invented certain improvements in **METHOD AND APPARATUS FOR PROVIDING INFORMATION AND A COMPUTER READABLE STORAGE MEDIUM HAVING A PROGRAM RECORDED THEREON FOR EXECUTING THE METHOD** 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, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications 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:	 _____ s/Seung-hyun YOON	7 December 2011 _____
Date:	 _____ s/Moon-sang LEE	7 Dec. 2011 _____
Date:	 _____ s/Min-soo KOO	7 Dec 2011 _____
Date:	 _____ s/Ji-in NAM	7 December 2011 _____

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