

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kum-ran JI</td> <td>12/23/2009</td> </tr> <tr> <td>Yong-deok CHANG</td> <td>12/23/2009</td> </tr> <tr> <td>Chan-sub PARK</td> <td>12/23/2009</td> </tr> <tr> <td>Jung-pil YU</td> <td>12/23/2009</td> </tr> <tr> <td>Hae-joo JEONG</td> <td>12/23/2009</td> </tr> </tbody> </table>		Name	Execution Date	Kum-ran JI	12/23/2009	Yong-deok CHANG	12/23/2009	Chan-sub PARK	12/23/2009	Jung-pil YU	12/23/2009	Hae-joo JEONG	12/23/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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> <tr> <td>Postal Code:</td> <td>442-742</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	Postal Code:	442-742
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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: JHELLER@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:	Q116219												

CH \$40.00 12667776

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PATENT
REEL: 023734 FRAME: 0874

NAME OF SUBMITTER:

Peter A. McKenna

Total Attachments: 1

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Assignment

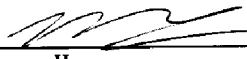
Whereas, We, Kum-ran JI, Yong-deok CHANG, Chan-sub PARK, Jung-pil YU, and Hae-joo JEONG of Seoul, Republic of Korea, Suwon-si, Republic of Korea, Incheon, Republic of Korea, Suwon-si, Republic of Korea, and Seoul, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in APPARATUS FOR PROCESSING STREAMS AND METHOD THEREOF and executed an application for Letters Patent of the United States of America therefor on _____; and

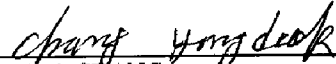
Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-742, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

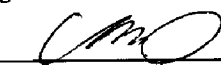
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

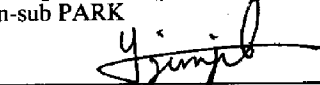
We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and 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.

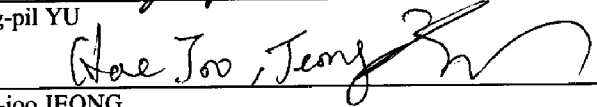
We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the application number and filing date of said application when known.

Date: Dec. 23, 2009 
s/Kum-ran JI

Date: Dec. 23, 2009 
s/Yong-deok CHANG

Date: Dec. 23, 2009 
s/Chan-sub PARK

Date: Dec. 23, 2009 
s/Jung-pil YU

Date: Dec. 23, 2009 
s/Hae-joo JEONG

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

PATENT