

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>Tae-suh PARK</td> <td>09/05/2012</td> </tr> <tr> <td>Ki-ho KIM</td> <td>09/05/2012</td> </tr> <tr> <td>Eun-seok KIM</td> <td>09/05/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Tae-suh PARK | 09/05/2012 | Ki-ho KIM | 09/05/2012 | Eun-seok KIM | 09/05/2012 |
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| Tae-suh PARK | 09/05/2012 | | | | | | | | |
| Ki-ho KIM | 09/05/2012 | | | | | | | | |
| Eun-seok KIM | 09/05/2012 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | SAMSUNG ELECTRONICS CO., LTD. | | | | | | | | |
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| City: | Suwon-si | | | | | | | | |
| State/Country: | KOREA, REPUBLIC OF | | | | | | | | |
| 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>13617373</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13617373 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 13617373 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | Q128404 | | | | | | | | |
| NAME OF SUBMITTER: | Sachiko Reynolds (Teams Dept.) | | | | | | | | |
| Total Attachments: 1 source=ASSIGNMENT_EXECUTED_AS_FILED#page1.tif | | | | | | | | | |

CH \$40.00 13617373

Assignment


Whereas, we, Tae-suh PARK of Yongin-si, Republic of Korea; Ki-ho KIM of Seongnam-si, Republic of Korea; and Eun-seok KIM of Yongin-si, Republic of Korea, hereinafter called assignor, have invented certain improvements in BROADCASTING RECEIVING APPARATUS AND METHOD FOR PROVIDING BROADCASTING SIGNAL RELATION INFORMATION and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, Samsung Electronics Co., Ltd. of 129, Samsung-ro, 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 assignor, 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 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, the confirmation number and filing date of said application when known.

Date:  September 5, 2012
s/ Tae-suh PARK

Date:  September 5, 2012
s/ Ki-ho KIM

Date:  September 5, 2012
s/ Eun-seok KIM

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