

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|---|---------------------|-------------------------------|---------------|------------|-----------------|-------------------|--------------|---------|-------|-------------------------------|-----------------|--------------------------------|-------|-----------------------|----------------|-------------------|--------------|---------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 70%; padding: 5px;">Name</th> <th style="width: 30%; padding: 5px;">Execution Date</th> </tr> <tr> <td style="padding: 5px;">Eun-Hee HYUN</td> <td style="padding: 5px;">02/20/2009</td> </tr> <tr> <td style="padding: 5px;">Cheol-Hye CHO</td> <td style="padding: 5px;">02/20/2009</td> </tr> <tr> <td style="padding: 5px;">Young-Jick Bahg</td> <td style="padding: 5px;">02/20/2009</td> </tr> </table> | | Name | Execution Date | Eun-Hee HYUN | 02/20/2009 | Cheol-Hye CHO | 02/20/2009 | Young-Jick Bahg | 02/20/2009 | | | | | | | | | | | | |
| Name | Execution Date | | | | | | | | | | | | | | | | | | | | |
| Eun-Hee HYUN | 02/20/2009 | | | | | | | | | | | | | | | | | | | | |
| Cheol-Hye CHO | 02/20/2009 | | | | | | | | | | | | | | | | | | | | |
| Young-Jick Bahg | 02/20/2009 | | | | | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%; padding: 5px;">Name:</td> <td style="padding: 5px;">Electronics and Telecommunications Research Institute</td> </tr> <tr> <td style="padding: 5px;">Street Address:</td> <td style="padding: 5px;">161, Gajeong-dong, Yuseong-gu</td> </tr> <tr> <td style="padding: 5px;">City:</td> <td style="padding: 5px;">Daejeon</td> </tr> <tr> <td style="padding: 5px;">State/Country:</td> <td style="padding: 5px;">REPUBLIC OF KOREA</td> </tr> <tr> <td style="padding: 5px;">Postal Code:</td> <td style="padding: 5px;">305-350</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%; padding: 5px;">Name:</td> <td style="padding: 5px;">Samsung Electronics Co., Ltd.</td> </tr> <tr> <td style="padding: 5px;">Street Address:</td> <td style="padding: 5px;">416, Maetan-dong, Yeongtong-gu</td> </tr> <tr> <td style="padding: 5px;">City:</td> <td style="padding: 5px;">Suwon-si, Gyeonggi-do</td> </tr> <tr> <td style="padding: 5px;">State/Country:</td> <td style="padding: 5px;">REPUBLIC OF KOREA</td> </tr> <tr> <td style="padding: 5px;">Postal Code:</td> <td style="padding: 5px;">442-742</td> </tr> </table> | | Name: | Electronics and Telecommunications Research Institute | Street Address: | 161, Gajeong-dong, Yuseong-gu | City: | Daejeon | State/Country: | REPUBLIC OF KOREA | Postal Code: | 305-350 | Name: | Samsung Electronics Co., Ltd. | Street Address: | 416, Maetan-dong, Yeongtong-gu | City: | Suwon-si, Gyeonggi-do | State/Country: | REPUBLIC OF KOREA | Postal Code: | 442-742 |
| Name: | Electronics and Telecommunications Research Institute | | | | | | | | | | | | | | | | | | | | |
| Street Address: | 161, Gajeong-dong, Yuseong-gu | | | | | | | | | | | | | | | | | | | | |
| City: | Daejeon | | | | | | | | | | | | | | | | | | | | |
| State/Country: | REPUBLIC OF KOREA | | | | | | | | | | | | | | | | | | | | |
| Postal Code: | 305-350 | | | | | | | | | | | | | | | | | | | | |
| Name: | Samsung Electronics Co., Ltd. | | | | | | | | | | | | | | | | | | | | |
| Street Address: | 416, Maetan-dong, Yeongtong-gu | | | | | | | | | | | | | | | | | | | | |
| City: | Suwon-si, Gyeonggi-do | | | | | | | | | | | | | | | | | | | | |
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| Postal Code: | 442-742 | | | | | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 30%; padding: 5px;">Property Type</th> <th style="padding: 5px;">Number</th> </tr> <tr> <td style="padding: 5px;">Application Number:</td> <td style="padding: 5px;">12441626</td> </tr> </table> | | Property Type | Number | Application Number: | 12441626 | | | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | | | |
| Application Number: | 12441626 | | | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA <p style="margin-top: 10px;">Fax Number: (617)742-4214 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-227-7400 Email: lc@lahive.com</p> <p>Correspondent Name: LAHIVE & COCKFIELD, LLP FLOOR 30, SUITE Address Line 1: ONE POST OFFICE SQUARE Address Line 4: BOSTON, MASSACHUSETTS 02109</p> | | | | | | | | | | | | | | | | | | | | | |

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PATENT
REEL: 022407 FRAME: 0752

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| ATTORNEY DOCKET NUMBER: | SS7-009US |
| NAME OF SUBMITTER: | EuiHoon Lee |
| Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif | |

ASSIGNMENT BY INVENTORS

WE, Eun-Hee HYUN; Cheol-Hye CHO and Young-Jick BAHG, of Daejon, Republic of Korea; Daejon, Republic of Korea and Daejon, Republic of Korea, respectively, in consideration of One Dollar and other valuable consideration paid to us by

Electronics and Telecommunications Research Institute and SAMSUNG ELECTRONICS CO.,
LTD

a research institute of Republic of Korea, having its principal place of business at 161, Gajeong-dong, Yuseong-gu, Daejon 305-350, REPUBLIC OF KOREA and 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742, REPUBLIC OF KOREA, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Electronics and Telecommunications Research Institute and SAMSUNG ELECTRONICS CO.,
LTD

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

METHOD AND SYSTEM FOR SERVICE ANNOUNCEMENT USING MBMS
MULTICAST BEARER

described in an application

☒ Executed by us of even date herewith and about to be filed

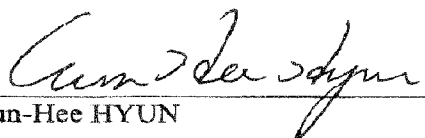
or

☒ Application No. 12/441,626 , filed on March 17, 2009

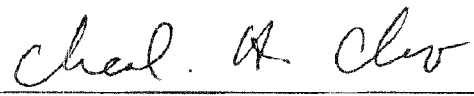
in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said institute and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said institute, with specifications and claims in such form as shall be approved by the counsel of said institute and to vest and confirm in said institute, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

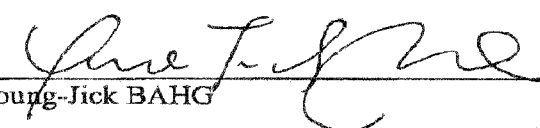
And we do further hereby grant the attorneys/agents of Lahive & Cockfield, LLP, the power to insert on this Assignment the filing date and/or application number of said application.

Date: Feb. 20. 2008Signature: 

Eun-Hee HYUN

Date: Feb. 20 2008Signature: 

Cheol-Hye CHO

Date: Feb. 20 2009Signature: 

Young-Jick BAHG