

## 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>HO-SOOK LEE</td><td>07/14/2008</td></tr><tr><td>O HYUNG KWON</td><td>07/15/2008</td></tr><tr><td>SOO IN LEE</td><td>07/15/2008</td></tr></tbody></table> | Name                                                  | Execution Date | HO-SOOK LEE         | 07/14/2008 | O HYUNG KWON | 07/15/2008 | SOO IN LEE | 07/15/2008 |  |
| Name                                                                                                                                                                                                                                                  | Execution Date                                        |                |                     |            |              |            |            |            |  |
| HO-SOOK LEE                                                                                                                                                                                                                                           | 07/14/2008                                            |                |                     |            |              |            |            |            |  |
| O HYUNG KWON                                                                                                                                                                                                                                          | 07/15/2008                                            |                |                     |            |              |            |            |            |  |
| SOO IN LEE                                                                                                                                                                                                                                            | 07/15/2008                                            |                |                     |            |              |            |            |            |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                  |                                                       |                |                     |            |              |            |            |            |  |
| Name:                                                                                                                                                                                                                                                 | ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE |                |                     |            |              |            |            |            |  |
| Street Address:                                                                                                                                                                                                                                       | 161 GAJEONG-DONG, YUSEONG-GU                          |                |                     |            |              |            |            |            |  |
| City:                                                                                                                                                                                                                                                 | DAEJEON                                               |                |                     |            |              |            |            |            |  |
| 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>12190706</td></tr></tbody></table>                                                                                          | Property Type                                         | Number         | Application Number: | 12190706   |              |            |            |            |  |
| Property Type                                                                                                                                                                                                                                         | Number                                                |                |                     |            |              |            |            |            |  |
| Application Number:                                                                                                                                                                                                                                   | 12190706                                              |                |                     |            |              |            |            |            |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                   |                                                       |                |                     |            |              |            |            |            |  |
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| Correspondent Name:                                                                                                                                                                                                                                   | RICHARD J. STREIT                                     |                |                     |            |              |            |            |            |  |
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| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                               | CU-6959 WWP/NK                                        |                |                     |            |              |            |            |            |  |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                    | Woochoon W. Park                                      |                |                     |            |              |            |            |            |  |
| Total Attachments: 2<br>source=cu6959assign#page1.tif<br>source=cu6959assign#page2.tif                                                                                                                                                                |                                                       |                |                     |            |              |            |            |            |  |

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PATENT  
REEL: 021379 FRAME: 0232

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**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

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In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for the other good and valuable consideration,

**ASSIGNOR:**

**Ho-Sook LEE**

**No. 104-1002, Hanuri Apt., Tanbang-dong, Seo-gu, Daejeon 302-768, Republic of Korea**

**O Hyung KWON**

**No. 107-1103, Hanvit Apt., Eoeun-dong, Yuseong-gu, Daejeon 305-755, Republic of Korea**

**Soo In LEE**

**No. 106-606, Clover Apt., Dunsan-dong, Seo-gu, Daejeon 302-120, Republic of Korea**

hereby sells, assigns and transfers to

**ASSIGNEE:**

**ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE**

**161 Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea**

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

**METHOD AND APPARATUS OF MULTICAST SERVICE FLOW PROCESSING  
FOR HEADEND CABLE MODEM**

which application was executed by the undersigned on even date herewith, and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify

**PATENT**

**REEL: 021379 FRAME: 0233**

as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have set our hand and seal

July 14, 2008

Date

Lee Ho Sook

INVENTOR

Ho-Sook LEE

July 15, 2008

Date

O Hyung kwon

INVENTOR

O Hyung KWON

July 15, 2008

Date

Soo In Lee

INVENTOR

Soo In LEE

P/2

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RECORDED: 08/13/2008

REEL: 021379 FRAME: 0234