

## 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>Sung-Kwon Park</td> <td>10/12/2011</td> </tr> <tr> <td>Eun-Jo Lee</td> <td>10/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	Sung-Kwon Park	10/12/2011	Eun-Jo Lee	10/12/2011						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>IUCF-HYU (Industry-University Cooperation Foundation Hanyang University)</td> </tr> <tr> <td>Street Address:</td> <td>17 Haengdang-dong</td> </tr> <tr> <td>Internal Address:</td> <td>Seongdong-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>133-791</td> </tr> </table>		Name:	IUCF-HYU (Industry-University Cooperation Foundation Hanyang University)	Street Address:	17 Haengdang-dong	Internal Address:	Seongdong-gu	City:	Seoul	State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	Postal Code:	133-791
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (503)274-4622</p> <p>Phone: 503-222-3613</p> <p>Email: docketing@techlaw.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: Alan T. McCollom</p> <p>Address Line 1: 210 SW MORRISON STREET, SUITE 400</p> <p>Address Line 2: MARGER JOHNSON &amp; MCCOLLOM, P.C.</p> <p>Address Line 4: PORTLAND, OREGON 97204</p>													
ATTORNEY DOCKET NUMBER:	6471-0013												
NAME OF SUBMITTER:	Suzan Lindstrom												
<p>Total Attachments: 2</p> <p>source=6471-0013_Assignment_signed#page1.tif</p> <p>source=6471-0013_Assignment_signed#page2.tif</p>													

OP \$40.00 13318851

PATENT APPLICATION  
Attorney Do. No. 6471-0013

ASSIGNMENT

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**Assignee:** **IUCF-HYU (INDUSTRY-UNIVERSITY COOPERATION  
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**Address:** 17 Haengdang-dong, Seongdong-gu, Seoul 133-791,  
Republic of Korea

**Title of Invention:** **SYSTEM AND METHOD OF INTERNET GROUP MANAGEMENT  
FOR MULTICAST PUSH IN PASSIVE ACCESS NETWORKS**

**U. S. Patent Application:**

**Application Serial No.:** Not yet assigned

**Filing Date:** Filed herewith

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, and any and all claims for any infringement thereof, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will

communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

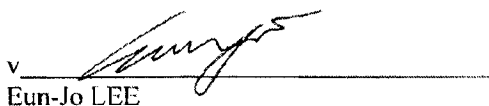
Executed at \_\_\_\_\_, this 12 day of October, 2011.

Assignor:

v   
Sung-Kwon PARK

Executed at \_\_\_\_\_, this 12 day of October, 2011.

Assignor:

v   
Eun-Jo LEE