

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>Seung-Woo LEE</td> <td>12/05/2011</td> </tr> <tr> <td>Bhum-Cheol LEE</td> <td>12/05/2011</td> </tr> <tr> <td>Jung-Hee LEE</td> <td>12/05/2011</td> </tr> </tbody> </table>		Name	Execution Date	Seung-Woo LEE	12/05/2011	Bhum-Cheol LEE	12/05/2011	Jung-Hee LEE	12/05/2011
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Seung-Woo LEE	12/05/2011								
Bhum-Cheol LEE	12/05/2011								
Jung-Hee LEE	12/05/2011								
RECEIVING PARTY DATA									
Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE								
Street Address:	161 Gajeong-dong, Yuseong-gu,								
City:	Daejeon-si								
State/Country:	REPUBLIC OF KOREA								
Postal Code:	305-700								
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>13328269</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13328269				
Property Type	Number								
Application Number:	13328269								
CORRESPONDENCE DATA									
Fax Number:	(202)434-1501								
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NAME OF SUBMITTER:	Sang Chul Kwon								
Total Attachments: 1 source=Assignment#page1.tif									

OP \$40.00 13328269

PATENT

U.S. ASSIGNMENT

SEH 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

Electronics and Telecommunications Research Institute
161 Gajeong-dong, Yuseong-gu, Daejeon-si, 305-700 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

APPARATUS AND METHOD FOR ESTIMATING TIME STAMP

relating to International Patent Application PCT/JP _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. ;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

- | | | | |
|----|-------------------------------------|---------------------|-------|
| 1) | <u>Sangwoo Lee</u>
Seung-Woo LEE | <u>5/Dec./2011</u> | _____ |
| 2) | <u>Bhum-Cheol LEE</u> | <u>05/Dec/2011</u> | _____ |
| 3) | <u>Jung-Hee LEE</u> | <u>05/Dec./2011</u> | _____ |
| 4) | _____ | _____ | _____ |
| 5) | _____ | _____ | _____ |
| 6) | _____ | _____ | _____ |