

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>Sungjun YOON</td> <td>02/06/2013</td> </tr> <tr> <td>Kyoungmin PARK</td> <td>02/06/2013</td> </tr> <tr> <td>Sungjin SUH</td> <td>02/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sungjun YOON	02/06/2013	Kyoungmin PARK	02/06/2013	Sungjin SUH	02/06/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Pantech Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Pantech Bldg., I-2, DMC, Sangam-dong, Mapo-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>121-792</td> </tr> </table>		Name:	Pantech Co., Ltd.	Street Address:	Pantech Bldg., I-2, DMC, Sangam-dong, Mapo-gu	City:	Seoul	State/Country:	KOREA, REPUBLIC OF	Postal Code:	121-792
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 7032885139 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 703-288-5105 Email: patent@park-law.com Correspondent Name: H.C. Park & Associates, PLC Address Line 1: 1894 Preston White Dr. Address Line 4: Reston, VIRGINIA 20191</p>											
ATTORNEY DOCKET NUMBER:	P5185US00										
NAME OF SUBMITTER:	Hae-Chan Park										
<p>Total Attachments: 2 source=P5185US00 Assignment#page1.tif source=P5185US00 Assignment#page2.tif</p>											

OP \$40.00 13816182

PATENT



ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

☒ an application for United States Letters Patent entitled **APPARATUS AND METHOD FOR TRANSMITTING MUTING INFORMATION, AND APPARATUS AND METHOD FOR ACQUIRING CHANNEL STATE USING SAME** ("Application");

☐ upon which United States Letters Patent, Patent Number _____, has issued ("Patent");

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

PANTECH CO., LTD.
Pantech Bldg., I-2, DMC Sangam-dong
Mapo-gu
121-792 Seoul
Republic of Korea

PANTECH CO., LTD. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals 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.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent



which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

First Inventor's Name: Sungjun YOON

Address: Pantech Bldg., I-2, DMC Sangam-dong
Mapo-gu
121-792 Seoul
Republic of Korea

First Inventor's Signature:

Date:

February 6, 2013

Second Inventor's Name: Kyoungmin PARK

Address: Pantech Bldg., I-2, DMC Sangam-dong
Mapo-gu
121-792 Seoul
Republic of Korea

Second Inventor's Signature:

Date:

February 6, 2013

Third Inventor's Name: Sungjin SUH

Address: Pantech Bldg., I-2, DMC Sangam-dong
Mapo-gu
121-792 Seoul
Republic of Korea

Third Inventors' Signature:

Date:

February 6, 2013