

## 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>Deok Gon KIM</td> <td>11/09/2012</td> </tr> <tr> <td>Min Woo KIM</td> <td>11/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Deok Gon KIM	11/09/2012	Min Woo KIM	11/09/2012						
Name	Execution Date												
Deok Gon KIM	11/09/2012												
Min Woo KIM	11/09/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG MEDISON CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>3366, Hanseo-ro, Nam-myeon</td> </tr> <tr> <td>Internal Address:</td> <td>Hongcheon-gun</td> </tr> <tr> <td>City:</td> <td>Gangwon-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>250-874</td> </tr> </table>		Name:	SAMSUNG MEDISON CO., LTD.	Street Address:	3366, Hanseo-ro, Nam-myeon	Internal Address:	Hongcheon-gun	City:	Gangwon-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	250-874
Name:	SAMSUNG MEDISON CO., LTD.												
Street Address:	3366, Hanseo-ro, Nam-myeon												
Internal Address:	Hongcheon-gun												
City:	Gangwon-do												
State/Country:	KOREA, REPUBLIC OF												
Postal Code:	250-874												
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>13728518</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13728518								
Property Type	Number												
Application Number:	13728518												
CORRESPONDENCE DATA													
<p>Fax Number: 2027568087  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-756-8000        Email: washington_ip_docket@mwe.com        Correspondent Name: MCDERMOTT WILL &amp; EMERY LLP        Address Line 1: The McDermott Building        Address Line 2: 500 North Capitol Street, N.W.        Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001</p>													
ATTORNEY DOCKET NUMBER:	056083-0180												
NAME OF SUBMITTER:	Hosang Lee												
This document serves as an Oath/Declaration (37 CFR 1.63).													
<p>Total Attachments: 3        source=DEC_056083-0180#page1.tif        source=DEC_056083-0180#page2.tif        source=DEC_056083-0180#page3.tif</p>													

CH \$40.00 13728518

**COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

**ULTRASOUND SYSTEM AND METHOD FOR DETECTING VECTOR  
INFORMATION USING TRANSMISSION DELAYS.**

which application is:

attached, or

United States application number or PCT international application  
number \_\_\_\_\_, filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of **McDermott Will & Emery LLP**, associated with the Customer Number 20277, to insert above the filing date and/or application number of the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign to

SAMSUNG MEDISON CO., LTD.

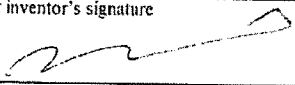
having an address at 3366, Hanseo-ro, Nam-myeon, Hongcheon-gun  
Gangwon-do, 250-874 Republic of Korea

(hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in this document.

I hereby confirm any prior assignment to Assignee, and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the undersigned had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

I hereby covenant that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

Legal name of first inventor <b>KIM, Deok Gon</b>	
First inventor's signature 	Date November 9, 2012

Legal name of second inventor, if any <b>KIM, Min Woo</b>	
Second inventor's signature <b>KIM, Min Woo</b>	Date November 9, 2012

Legal name of third inventor, if any	
Third inventor's signature	Date

Legal name of fourth inventor, if any	
Fourth inventor's signature	Date