# 504203464 01/30/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4250140

SUBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	ATA		
		Name	Execution Date
JAE-YOUNG RYU			01/11/2017
DONG-KI KIM			01/04/2017
YOUNG-HWAN KIM			01/15/2017
MIN-WOO SEO			01/04/2017
JEI-YOUNG LEE			01/04/2017
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City:	SUWON		
State/Country:	KOREA, REPUBLIC OF		
Postal Code:	16677		
<b>PROPERTY NUMBERS</b>	Total: 1		
PROPERTY NUMBERS Property Type	Total: 1	Number	
PROPERTY NUMBERS Property Type Application Number:		<b>Number</b> 5500398	
Property Type Application Number:	1		
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Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	ATA (2 e sent to a provided;	5500398 202)293-7060 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent	
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Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA (2 e sent to a provided; 2 s S	5500398 202)293-7060 <i>the e-mail address first; if that is unsu</i> <i>if that is unsuccessful, it will be sent</i> 202-293-7060 ughrue@sughrue.com, csouthcott@sugh GUGHRUE MION, PLLC	via US Mail.
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Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if µ</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA (2 e sent to provided; 2 s 2 s 2 s	5500398 202)293-7060 <i>the e-mail address first; if that is unsult if that is unsuccessful, it will be sent</i> 202-293-7060 ughrue@sughrue.com, csouthcott@sugh BUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. BUITE 800	via US Mail.
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA (2 e sent to s provided; 2 s 2 S 2 S V	5500398 202)293-7060 the e-mail address first; if that is unsur- if that is unsuccessful, it will be sent 202-293-7060 ughrue@sughrue.com, csouthcott@sugh SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 VASHINGTON, D.C. 20037	via US Mail.
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA (2 e sent to s provided; 2 s 2 S 2 S V	5500398 202)293-7060 the e-mail address first; if that is unsur- if that is unsuccessful, it will be sent 202-293-7060 ughrue@sughrue.com, csouthcott@sugh SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 VASHINGTON, D.C. 20037 Q230881 CHRIS SOUTHCOTT	via US Mail.

### PATENT REEL: 041124 FRAME: 0630

This document serves as an Oath/Declaration (37 CFR 1.63).

### Total Attachments: 6

source=Q230881ExecutedDeclarationandAssignment#page1.tif source=Q230881ExecutedDeclarationandAssignment#page2.tif source=Q230881ExecutedDeclarationandAssignment#page3.tif source=Q230881ExecutedDeclarationandAssignment#page4.tif source=Q230881ExecutedDeclarationandAssignment#page5.tif source=Q230881ExecutedDeclarationandAssignment#page6.tif

Docket No.: Q230881 Samsung Ref: MH2014060041US1 Only After Sept 16, 2012

#### ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, <u>SAMSUNG ELECTRONICS CO., LTD. of 129</u>, <u>Samsung-ro</u>, <u>Yeongtong-gu</u>, <u>Suwon-si</u>, <u>Gyeonggi-do</u>, <u>16677</u>, <u>Republic of Korea</u>, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is  $\Box$  directed to:

- □ The attached application, or
- United States Application or PCT International Application Number <u>PCT/KR2015/009098</u> filed on <u>August 28, 2015</u>.

The application is entitled:

#### ULTRASOUND DIAGNOSIS APPARATUS FOR SELF-DIAGNOSIS AND REMOTE-DIAGNOSIS, AND METHOD OF OPERATING THE ULTRASOUND DIAGNOSIS APPARATUS

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

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

NAME OF SOLE OR FIRST INVENTOR:					
Given Name	Principal Distance Commence Distance				
(first and middle [if any]) Jae-young	Family Name or Surname RYU				
Inventor's signature KM	Date 2017.01.11				
Inventor's signature	1 L/355 20 ~ 28 ~ 11				
Residence: Suwon-si, Republic of Korea					
Residence: Suwon-si, Republic of Korea					
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NAME OF SECOND INVENTOR:					
Given Name (first and middle [if any]) Dong-ki	Family Name or Sumame KIM				
(first and middle [if any]) Dong-ki	Fainty stand of oursaile faint				
Inventor's signature	Date				
sivenes s signature					
Residence: Seoul, Republic of Korea					
Mailing Address: 116-1601, 164, Gosanja-ro, Seongdong-gu, Seoul, R.	epublic of Korea				
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Mailing Address: 231-503, 10, Dongtansibeomhanbit-gil, Hwaseong-si	i, Gyeonggi-do, Republic of Korea				
NAME OF FOURTH INVENTOR:					
Given Name					
(first and middle [if any]) Min-woo	Family Name or Surname SEO				
Inventor's signature	Date				
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Mailing					
Address: 128-401, 53, Junganggongwon-ro, Bundang-gu, Seong	mam-si, Gyeonggi-do, Republic of Korea				
NAME OF FIFTH INVENTOR:					
Given Name					
(first and middle [if any]) Jei-young	Family Name or Surname LEE				
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Docket No.: Q230881 Samsung Ref: MH2014060041US1 Only After Sept 16, 2012

#### ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, SAMSUNG ELECTRONICS CO., LTD, of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all cheers Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to: The attached application, or

The application is entitled:

United States Application of PCT International Application Number <u>PCT/KR2015489098</u> filed on August 28, 2015.

ULTRASOUND DIAGNOSIS APPARATUS FOR SELF-DIAGNOSIS AND REMOTE-DIAGNOSIS, AND METHOD OF OPERATING THE ULTRASOUND DIAGNOSIS APPARATUS

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

 $\boxtimes$ 

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

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

NAME OF SOLE OR FIRST INVENTOR:	
Given Name	
(first and middle [if any]) lae-young	Family Name or Surname RYU
Inventor's signature	Date
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NAME OF SECOND INVENTOR:	
Given Name	
(first and middle [if any]) Dong-ki	Family Name or Surname KIM
Inventor's signature Dongki Kin	Dare Jan 4, 2017
	÷ )
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(first and middle [if any]) Young-hwan	Family Name or Surname KIM
Yan umaante vinneaanen	Daie
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Mailing Address: 231-503, 10, Dongtansibeomhanbii-gil, Hwascong-	si, Gyconggi-do, Republic of Konea
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NAME OF FIFTH INVENTOR:	
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Do. Tranco	Junimum my m m m m m m m m m m m m m m m m m
Inventor's signature	) Dale Jan-04, 2019
the	
Residence: Yongin-si, Republic of Korea	
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PATENT REEL: 041124 FRAME: 0635

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NAME OF SOLE OR FIRST INVENTOR:	
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Inventor's signature	Date
invision 5 Signature	{ 1.535C
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Mailing Address:       231-503, 10, Dongtansibeomhanbit-gil, Hwaseong-s         NAME OF FOURTH INVENTOR:         Given Name         (first and middle [if any])       Min-woo         Inventor's signature         Residence:       Seongnam-si, Republic of Korea	Family Name or Surname SEO Date
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Mailing Address:       231-503, 10, Dongtansibeomhanbit-gil, Hwaseong-s         NAME OF FOURTH INVENTOR:         Given Name       (first and middle [if any])         Min-woo         Inventor's signature         Residence:       Seongnam-si, Republic of Korea         Mailing       Address:       128-401, 53, Junganggongwon-ro, Bundang-gu, Seon         NAME OF FIFTH INVENTOR:       Given Name	Family Name or Surname SEO Date
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Mailing Address:       231-503, 10, Dongtansibeomhanbit-gil, Hwaseong-s         NAME OF FOURTH INVENTOR:	Family Name or Surname     SEO       Date         gnam-si, Gyconggi-do, Republic of Korea         Family Name or Surname         LEE         Date

## RECORDED: 01/30/2017

[Page 2]

## PATENT REEL: 041124 FRAME: 0637