# 504218764 02/08/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4265441

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HYUN DO CHOI	01/02/2017
YOUN BAEK LEE	01/02/2017
JEONGHUN KIM	01/02/2017
SE-GON ROH	01/02/2017
MINHYUNG LEE	01/02/2017
JONGWON LEE	01/02/2017
BYUNGJUNE CHOI	01/02/2017
JUNG-YUN CHOI	12/23/2016

#### **RECEIVING PARTY DATA**

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129 SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15426463

# **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	JOHN A. CASTELLANO, REG. NO. 35,094
SIGNATURE:	/John A. Castellano/

PATENT 504218764 REEL: 041203 FRAME: 0826

DATE SIGNED:	02/08/2017	
Total Attachments: 12		
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PATENT REEL: 041203 FRAME: 0827

# COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application. WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented: Title: MOTION ASSISTANCE APPARATUS for which Assignor is about to make or has made United States or International application for patent. WHEREAS, as a below named inventor(s), I/(we) hereby declare that: Section I. Declaration This declaration is directed to:  $\boxtimes$ The attached U.S. non-provisional patent application, or PCT international patent application number \_\_\_\_\_\_\_, filed on The above-identified application was made or authorized to be made by me (us). I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application. I (we) 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. This form requires the use of an Application Data Sheet. SEC Ref No. RZ-201604-003-1-US0 Attorney Ref No. 9587SI-000320-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSRATENTORM

Page 1 of 6 REEL: 041203 FRAME: 0828

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

#### Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

#### Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, 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 Section 1 of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, 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 and throughout the world, 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 throughout the world 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 Assignor 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;

Assignor hereby covenants and agrees 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, reexamination, or extension thereof, and for litigation regarding, or for the purpose of

Attorney Ref No. SEC Ref No. RZ-201604-003-1-US0

SAMSUNG ELECTRONICS CO., LTD.

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;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesald, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

#### Section III. Inventor(s)/Assignor(s) Signature(s)

СНОІ	Hyun Do	
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SEC Ref No.	RZ-201604-003-1-US0	Attorney Ref No.	9587SI-000320-US

LEGAL NAME OF SECOND	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	LEE	Youn Baek	
		4	
SIGNATURE	Younbaek Lee	DATE	2, Jay. 2019

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD INVENTOR/ASSIGNOR	KIM	Jeonghun	
SIGNATURE	Teogghun Kim	DATE	2 Jan 2017

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H	Se-Gon	
Poh	DATE	24. Juga 249 / 117
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SEC Ref No.	RZ-201604-003-1-US0	Attorney Ref No.	9587SI-000320-US

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIFTH NVENTOR/ASSIGNOR	LEE	Minhyung	
SIGNATURE	ainhya Le	DATE	of Jen 2017

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
SIXTH INVENTOR/ASSIGNOR	LEE	Jongwon	
SIGNATURE	Leo, Jingwa	DATE	02. Jan. 2019

ноі	Byungjune	
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zungjune	DATE	07. Jan. 2017
	yng june	DATE Ynnginne Ch

SEC Ref No.	RZ-201604-003-1-US0	Attorney Ref No.	9587SI-000320-US

## SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF EIGHTH	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	CHOI	Jung-Yun	
SIGNATURE _		DATE	

SEC Ref No. RZ-201604-003-1-US0 Attorney Ref No. 9587SI-000320-US

# COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title:	мот	ION ASSISTANCE APPARATUS				
for whi		gnor is about to make or has made United States or International application				
	WHEREAS, as a below named inventor(s), I/(we) hereby declare that:					
Section	ı. De	claration				
This de	clarati	on is directed to:				
	$\boxtimes$	The attached U.S. non-provisional patent application, or				
		U.S. non-provisional patent application number, filed on, or				
		PCT international patent application number, filed on				
The abo	ove-ide	entified application was made or authorized to be made by me (us).				
	I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.					
I (we) 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.						
<sup>1</sup> This fo	<sup>1</sup> This form requires the use of an Application Data Sheet.					
SEC Ref	No.	RZ-201604-003-1-US0 Attorney Ref No. 9587SI-000320-US				

**PATENT** REEL: 041203 FRAME: 0834 I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

#### Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

#### Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, 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 Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, 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 and throughout the world, 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 throughout the world 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 Assignor 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;

Assignor hereby covenants and agrees 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, reexamination, or extension thereof, and for litigation regarding, or for the purpose of

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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;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of **Harness, Dickey & Pierce, P.L.C.** the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

## Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	СНОІ	Hyun Do	
SIGNATURE		DATE	

SEC Ref No. **RZ-201604-003-1-US0** Attorney Ref No. **9587SI-000320-US** 

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
SECOND	LEE	Youn Baek	
SIGNATURE _		DATE	
JEGAL MANE OF	5 % . N	First Circuit	
LEGAL NAME OF THIRD	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	KIM	Jeonghun	
SIGNATURE _		DATE —	
LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FOURTH INVENTOR/ASSIGNOR	ROH	Se-Gon	
SIGNATURE _		DATE —	
SEC Ref No. RZ-20	1604-003-1-US0	Attorney Ref No.	9587SI-000320-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 4 of 6
PATENT

LEGAL NAME OF	Family Name	First Given Name	Second Given Name	
FIFTH LINVENTOR/ASSIGNOR	LEE	Minhyung		
SIGNATURE		DATE		
_				
LEGAL NAME OF SIXTH	Family Name	First Given Name	Second Given Name	
INVENTOR/ASSIGNOR	LEE	Jongwon		
SIGNATURE _		DATE		
LEGAL NAME OF SEVENTH	Family Name	First Given Name	Second Given Name	
INVENTOR/ASSIGNOR	CHOI	Byungjune		
SIGNATURE _		DATE —		
SEC Ref No. RZ-20	01604-003-1-US0	Attorney Ref No.	9587SI-000320-US	

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

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PATENT

LEGAL NAME OF EIGHTH	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	СНОІ	Jung-Yun	
	i	.1	<u> </u>
	, 1/	DATE	
SIGNATURE _	J-UK:		23. Dec . 2016
	<b>V</b>		

SEC Ref No. RZ-201604-003-1-US0 Attorney Ref No. 9587SI-000328-US