505575871 07/17/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BYUNGJUNE CHOI	07/11/2019
MINHYUNG LEE	07/11/2019
YOUN BAEK LEE	07/11/2019
SE-GON ROH	07/11/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16512996	

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ATTORNEY DOCKET NUMBER:	9587SI-000374-US		
JOHN A. CASTELLANO REG. NO. 35,094			
SIGNATURE:	/John A. Castellano/		
DATE SIGNED:	07/17/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 4

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PATENT REEL: 049778 FRAME: 0486 source=Declaration_Assignment#page2.tif
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PATENT REEL: 049778 FRAME: 0487

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM¹

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: MC	OTION ASSISTANCE APPARATUS			····
for which A	ssignor is about to make or has made Unit	ed States or Int	ernational app	olication
for patent.				
WHEREAS,	as a below named inventor(s), I/(we) here	by declare that:	;	
Section I. D				
This declara	ation is directed to:			
	The attached U.S. non-provisional pat	ent application,	. or	
	U.S. non-provisional patent application on, or	number		, filed
	PCT international patent application no	.mber		, filed on
The above-i	identified application was made or author	ized to be made	a by me (us).	
	ve that I am (we are) the original inventor the above-identified application.	(original joint ir	nventors) of a	claimed
• •	by acknowledge that any willful false state under 18 U.S.C. 1001 by fine or imprisonn			
1 This form re	equires the use of an Application Data Sheet.			
SEC Ref No.	RZ-201806-003-1-US0 Atto	orney Ref No.	958781-000	874-US

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

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PATENT REEL: 049778 FRAME: 0488 I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

Lacknowledge that Lam 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, re-examination, 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 INVENTOR/ASSIGNOR	Family Name CHOI	First Given Name Byungjune	Second Given Name
SIGNATURE	Chi, Byungjun	DATE E.	July 11, 2019

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LEGAL NAME OF SECOND	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	LEE	Minhyung	
SIGNATURE	johjus Lie	DATE	July 11 2019

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD INVENTOR/ASSIGNOR	LEE	Youn Baek	
SIGNATURE	Youn Book Lee	DATE	July, 11, 2019

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FOURTH INVENTOR/ASSIGNOR	ROH	Se-Gon	
		*	1
		rs.a.r.r.	
SIGNATURE	Roh Se-Gon	DATE	July.11, 2019.

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