12/19/2018 505245588

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIN-JUN CHOI	11/01/2018
KWAN-SIK KIM	11/01/2018
BEOM-SUK LEE	11/01/2018
HAE-MIN LIM	11/01/2018
MAN-GEUN CHO	11/01/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16226016

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	5649-4919
NAME OF SUBMITTER:	MEREDITH DEROSA
SIGNATURE:	/mld/
DATE SIGNED:	12/19/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 047819 FRAME: 0969

Total Attachments: 5 source=5649-4919_Declaration_Assignment#page1.tif source=5649-4919_Declaration_Assignment#page2.tif source=5649-4919_Declaration_Assignment#page3.tif

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PATENT REEL: 047819 FRAME: 0970

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:	ORGANIC IMAGE SENSORS
for which A	ssignor is about to make or has made United States or International application
·	as a below named inventor(s), I/(we) hereby declare that:
Section I. I	Declaration
This declar	ation 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 above-	identified application was made or authorized to be made by me (us).
	ve that I am (we are) the original inventor (original joint inventors) of a claimed a the above-identified application.
	by acknowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or
¹ This form r	equires the use of an Application Data Sheet.
SEC Ref No.	IE-201803-008-1-USO Attorney Ref No. 5649-4919

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

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REEL: 047819 FRAME: 0971

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, re-

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

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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;

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 **Myers Bigel**, **P.A.** 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	Family Name	First Given Name	Second Given Name
FIRST INVENTOR/ASSIGNOR	Choi	Min-jun	
SIGNATURE		DATE	20/8 11 . T
SIGNATURE	24	DATE	20/8 11 . T

SEC Ref No. IE-201803-008-1-US0 Attorney Ref No. 5649-4919

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
SECOND INVENTOR/ASSIGNOR	Kim	Kwan-sik	
188			
	313121	DATE	
SIGNATURE	7000	J.,/	8 . <i>H. I</i>

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD NVENTOR/ASSIGNOR	Lee	Beom-suk	
SIGNATURE	属)	DATE	2018-11-1

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Lim	Hae-min	
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COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 4 of 5 **PATENT**

SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	Cho	Man-geun	
SIGNATURE	do	DATE	2016 11.1

SEC Ref No. IE-201803-008-1-US0 Attorney Ref No. 5649-4919