PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNG HUI KO	10/16/2019
YONG JOO JO	10/16/2019

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.
Street Address:	MAEYOUNG-RO 150 (MAETAN-DONG), YOUNGTONG-GU, GYEONGGI-DO
City:	SUWON-SI
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16658244

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SIGNATURE:	/Aaron C. Walker/
DATE SIGNED:	10/21/2019

Total Attachments: 2

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PATENT 505731628 REEL: 050771 FRAME: 0741

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declaration	is directed to the application attached hereto,
or to United States Application Number or PCT International Applic	cation Number
filed on	(if applicable), entitled:
OPTICAL IMAGING SYS	STEM
The above-identified application was made or authorized to be ma	ade by me.
\ensuremath{I} believe \ensuremath{I} am the original inventor or an original joint inventor of a application.	claimed invention in the above-identified
I hereby acknowledge that any willful false statement made in this 1001 by fine or imprisonment of not more than five (5) years, or bo	•
I have reviewed and understand the contents of the above-identifie	ed application, including the claims.
I am aware of the duty to disclose to the United States Patent and me to be material to patentability as defined in 37 CFR 1.56, include material information that became available between the filing date PCT international filing date of the continuation-in-part application.	ding for continuation-in-part applications, of the prior application and the national or
ASSIGNMENT	
For valuable consideration, I, as a below-named assignor, hereby	assign to:
Samsung Electro-Mechanics Co., Ltd. Maeyoung-ro 150 (Maetan-dong), Youngtong-gu Suwon-si, Gyeonggi-do Republic of Korea	
and its successors and assigns (collectively hereinafter called "the	e Assignee"), the entire right, title, and
interest throughout the world in the inventions and improvements t	that are the subject of the application
identified in the above declaration, which is United States Application. Number 16/658,244 filed on October 21	
I authorize and request the attorneys appointed in the above-ident Assignment by inserting above the application number and the filir when known, and to correct any typographical errors that may be o	ng date of the above-identified application

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Jung Hui KO		
Inventor's Signature		Date	2019. 10. 16
Residence (City, Country)	Suwon-si, Republic of Korea		
Mailing Address	Samsung Electro-Mechanics Co., Ltd., Maeyoung-ro 150 (Maetan-dong), Youngtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea		

Inventor's Legal Name	Yong Joo JO		
Inventor's Signature	JYJ	Date	2019. 10. 16
Residence (City, Country)	Suwon-si, Republic of Korea		
Mailing Address	Samsung Electro-Mechanics Co., Ltd., Maeyoung-ro 150 (Maetan-dong), Youngtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea		