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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANG HO SEO	06/22/2018
KUM KYUNG LEE	06/22/2018
SUNG TAEK OH	06/22/2018

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRO-MECHANICS CO., LTD.	
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City:	SUWON-SI	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16031164	

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NAME OF SUBMITTER:	BRIAN J. HAIRSTON
SIGNATURE:	/Brian J. Hairston/
DATE SIGNED:	07/10/2018

Total Attachments: 2

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PATENT 504996166 REEL: 046304 FRAME: 0896

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 Internation	al Application Number
filed on	(if applicable), entitled:
CAMERA MO	ODULE
The above-identified application was made or authorized to	o be made by me.
I believe I am the original inventor or an original joint inven application.	tor of a claimed invention in the above-identified
I hereby acknowledge that any willful false statement made 1001 by fine or imprisonment of not more than five (5) year	•
I have reviewed and understand the contents of the above	-identified application, including the claims.
I am aware of the duty to disclose to the United States Pat me to be material to patentability as defined in 37 CFR 1.5 material information that became available between the fili PCT international filing date of the continuation-in-part app	6, including for continuation-in-part applications, ng date of the prior application and the national or
ASSIGNM	ENT
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 cal	lled "the Assignee"), the entire right, title, and
interest throughout the world in the inventions and improve	ements that are the subject of the application
identified in the above declaration, which is United States	Application Number or PCT International Application

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

Number 16/031,164 filed on July 10, 2018 .

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	Sang Ho SEO	***************************************	roonnarioonnarioonne		ouneanneurscholoseanneurscholoseanneurscholos
Inventor's Signature	- Julio	Date	Jun	22Å,	30 IS
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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	Kum Kyung LEE		
Inventor's Signature	<i>p</i>	Date	June 22-4 , 2018
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Inventor's Legal Name	Sung Taek OH		
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Residence (City, Country)	Suwon-si, Republic of Korea		
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