## 505514199 06/07/2019

# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5561004

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SEONG JONG CHEON	05/28/2019
HYUNG JIN LEE	05/31/2019
JEONG HAE KIM	05/31/2019

### **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:	16434473

### **CORRESPONDENCE DATA**

**Fax Number:** (202)315-3758

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-429-0020 Email: pto@nsiplaw.com

Correspondent Name: NSIP LAW

Address Line 1: P.O. BOX 65745

Address Line 4: WASHINGTON, D.C. 20035

ATTORNEY DOCKET NUMBER:	013057.1851
NAME OF SUBMITTER:	JONATHAN D. SCHLAIFER
SIGNATURE:	/Jonathan D. Schlaifer/
DATE SIGNED:	06/07/2019

**Total Attachments: 2** 

source=NewApp\_0130571851\_ExecutedCDAEPAS#page1.tif source=NewApp\_0130571851\_ExecutedCDAEPAS#page2.tif

PATENT 505514199 REEL: 049402 FRAME: 0946

### COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

#### **DECLARATION**

As a below-named inventor, I here	by declare that this declaration is directed to the application attached hereto, or
to United States Application Numb	er or PCT International Application Number
filed on	(if applicable), entitled:
	FRONT END MODULE
The above-identified application was	as made or authorized to be made by me.
I believe I am the original inventor application.	or an original joint inventor of a claimed invention in the above-identified
I hereby acknowledge that any will by fine or imprisonment of not more	ful false statement made in this declaration is punishable under 18 USC 1001 e than five (5) years, or both.
I have reviewed and understand th	e contents of the above-identified application, including the claims.
to be material to patentability as de	to the United States Patent and Trademark Office all information known to me efined in 37 CFR 1.56, including for continuation-in-part applications, material between the filing date of the prior application and the national or PCT nuation-in-part application.
	ASSIGNMENT
For valuable consideration, I, as a	below-named assignor, hereby assign to:
	o-MECHANICS CO., LTD. etan-dong), Youngtong-gu, o
throughout the world in the invention	ollectively hereinafter called "the Assignee"), the entire right, title, and interest ons and improvements that are the subject of the application identified in the States Application Number or PCT International Application Number

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

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.

16/434,473 filed on June 7, 2019

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

Page 1 of 2

## COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the aboveidentified 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.

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	Seong Jong CHEON			
Inventor's Signature	Manual Shirth Manual Angray	Date	2011, 05. 28	
Residence (City, Country)	Suwon-si, Republic of Korea			
Mailing Address	SAMSUNG ELECTRO-MECHANICS Youngtong-gu, Suwon-si, Gyeonggi-c			

inventor's Legal Name	Hyung Jin LEE	***************************************
Inventor's Signature	Date 2019, 5, 31	
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	Jeong Hae KIM			
inventor's Signature	Her	Date	12019,5.31	
Residence (City, Country)	Suwon-si, Republic of Korea	·································	L	
Mailing Address	SAMSUNG ELECTRO-MECHANICS Youngtong-gu, Suwon-si, Gyeonggi-d			

Page 2 of 2

RECORDED: 06/07/2019