### 503637623 01/06/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3684255

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAE-EAN LEE	12/24/2015
JEE-SOO MOK	12/24/2015
YOUNG-GWAN KO	12/24/2015
KYUNG-HWAN KO	12/24/2015
YONG-HO BAEK	12/24/2015

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14989558

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DATE SIGNED:	01/06/2016

### **Total Attachments: 3**

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

## **DECLARATION**

	declare that this declaration is directed to the application attached hereto, o
to United States Application Number	or PCT International Application Number
filed on	(if applicable), entitled:
PRINTED CIRCUIT BOARD	), PACKAGE AND METHOD OF MANUFACTURING THE SAME
The above-identified application was	made or authorized to be made by me.
I believe I am the original inventor or application.	an original joint inventor of a claimed invention in the above-identified
i hereby acknowledge that any willful by fine or imprisonment of not more t	false statement made in this declaration is punishable under 18 USC 1001 than five (5) years, or both.
I have reviewed and understand the	contents of the above-identified application, including the claims.
to be material to patentability as defin	the United States Patent and Trademark Office all information known to me ned in 37 CFR 1.56, including for continuation-in-part applications, material stween the filing date of the prior application and the national or PCT lation-in-part application.
	ASSIGNMENT
For valuable consideration, I, as a be	slow-named assignor, hereby assign to:
Samsung Electro-Mechanics Maeyoung-ro 150 (Maetan-d Suwon-si, Gyeonggi-do Republic of Korea	
and its successors and assigns (colle	ectively hereinafter called "the Assignee"), the entire right, title, and interest
throughout the world in the invention	s and improvements that are the subject of the application identified in the
	tates Application Number or PCT International Application Number on
Assignment by inserting above the a	appointed in the above-identified application to hereafter complete this pplication number and the filing date of the above-identified application wher ical errors that may be discovered in this Assignment.
models, and design registrations gra- above-identified application, and the application under the International Co Treaty, the European Patent Conven	identified application, any and all United States and foreign patents, utility need for any of the inventions and improvements that are the subject of the right to claim priority based on the filing date of the above-identified convention for the Protection of Industrial Property, the Patent Cooperation tion, and all other treaties of like purposes; and I authorize the Assignee to this own name for patents, utility models, design registrations, like rights of

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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

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

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	Jae-Ean LEE
Inventor's Signature	Date 2015 12.24
Residence (City, Country)	Busan, 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	Jee-Soo MOK	*********************	
Inventor's Signature	JS M&	Date	2015, 12, 24
Residence (City, Country)	Yongin-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	Young-Gwan KO		
Inventor's Signature	25.4	Date	व्याद्र । १२ व्यप
Residence (City, Country)	Secul, Republic of Korea		
Mailing Address	ailing Address Samsung Electro-Mechanics Co., Ltd., Masyoung-ro 150 (Maetan-dong), Youngtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea		

Inventor's Legal Name	Kyung-Hwan KO
Inventor's Signature	2 73 Et Date 2015, 12.24
Residence (City, Country)	Gimhae, Republic of Korea
Mailing Address	Samsung Electro-Mechanics Co., Ltd., Maeyoung-ro 150 (Maetan-dong), Youngtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

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等。你知识,但是是唯一我就被我们的,你就被自然的,我只能是一道的,也是不错。在一个多。 \*

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

Inventor's Legal Name	Yong-Ho BAEK		
Inventor's Signature	~ \$\frac{1}{2} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Date	2014. 12.24
Residence (City, Country)	Seoul, Republic of Korea		
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그학 경도와 경작품을 경도생각하고, 한 역사장 연합 참 하면에 모임, 생물, 장기은 동사 중 상품

PATENT REEL: 037424 FRAME: 0280

**RECORDED: 01/06/2016**