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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
IATURE OF CONVEYANCE: ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
HYOUNGSHIN PARK			03/02/2018	
DONGKYUN KIM			03/02/2018	
YUNJIN KIM			03/02/2018	
SEONKEUN PARK			03/02/2018	
SEUNGHO JANG			03/02/2018	
RECEIVING PARTY DA	TA			
Name:		UNG ELECTRONICS CO., LTD.		
Street Address:	129, S	AMSUNG-RO, YEONGTONG-GU, GYE	ONGGI-DO	
City:	SUWC	SUWON-SI		
State/Country:	KORE	KOREA, REPUBLIC OF		
Postal Code:	16677			
PROPERTY NUMBERS Property Type	Total:	Number		
Application Number:		29656375		
	e sent t	o the e-mail address first; if that is uns d; if that is unsuccessful, it will be ser 202-429-0020 pto@nsiplaw.com NSIP LAW P.O. BOX 65745		
		WASHINGTON, D.C. 20035		
Address Line 4:				
	JMBER:	D91096.0455		
ATTORNEY DOCKET NU	JMBER:	D91096.0455 SHABNAM NOWROUZI		
Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:	JMBER			
ATTORNEY DOCKET NU NAME OF SUBMITTER:	JMBER:	SHABNAM NOWROUZI		

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

MOBILE PHONE

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

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 Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Samsung Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do 16677 Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the

above declaration, which is United States Application Number or PCT International Application Number

29/656,375	filed on	July 12, 2018
	111072 201	•,

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.

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 treatiles of like purposes; and Lauthorize 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 Lagree for myself and my heirs, legal representatives, and assigns without further

Page 1 of 3

PATENT REEL: 046329 FRAME: 0415

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	Hyoungshin PARK		
Inventor's Signature	MMM >	Date	March. 2. 2018
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	144-303, 107, Hwagok-ro 13-gil, Gangsec-gu, Seoul 07703, Republic of Korea		

inventor's Legal Name	Dongkyun KIM		
Inventor's Signature	AN .	Date	march, 2, 2018
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	201-1903, 2183, Nambusunhwan-ro, Seocho-gu, Seoul 06701, Republic of Korea		

Inventor's Legal Name	Yunjin KIM		
Inventor's Signature	7 - 5 7 Date March 2.2018		
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	202-313, 31, Seobinggo-ro, Yongsan-gu, Seoul 04385, Republic of Korea		

inventor's Legal Name	Seonkeun PARK		
Inventor's Signature	Unine	Date	Mardo 2, 2018
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	601-207, 66, Jayangbeonyeong-ro 3-gil, Gwangjin-gu, Seoul 05091, Republic of Korea		

Page 2 of 3

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

inventor's Legal Name	Seungho JANG		
Inventor's Signature	282	Date	March 2,200
Residence (City, Country)	Seongnam-si, Republic of Korea		
Mailing Address	610-804, 124, Yatap-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 13517, Republic of Korea		

Page 3 of 3

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