504983544 06/29/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date	
YOUNG-SU PARK	05/29/2018	

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.			
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City:	SUWON-SI			
State/Country:	KOREA, REPUBLIC OF			
Postal Code:	16677			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29654993

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NAME OF SUBMITTER: SHABNAM NOWROUZI

SIGNATURE: /Shabnam Nowrouzi/
DATE SIGNED: 06/29/2018

Total Attachments: 2

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PATENT 504983544 REEL: 046235 FRAME: 0285

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor,	I hereby deck	are that this declaration	is directed to the application attached hereto,
or to United States Applicatio	n Number or	PCT International Appli	cation Number
29/654,993	filed on	June 29, 2018	(if applicable), entitled:
		TYPE FONT	
Section 1997 April 1997			

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 su	cessors and assig	ns (callectively herein	after called "the Assi	gnee"), the entire right,	title, and
interest the	roughout the world	in the inventions and	improvements that a	re the subject of the app	olication
identified i	n the above declar	ation, which is United	States Application N	umber or PCT Internation	onal Application
Number	29/654,993	filed on	June 29, 2018		
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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 filling 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 taxful 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.

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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	Young-Su PARK			***************************************	
Inventor's Signature	Down.	Date	2019,	4.2	*
Residence (City, Country)	Seaul, Republic of Korea				
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