# 505386243 03/21/2019

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT5433036

#### **CONVEYING PARTY DATA**

Name	Execution Date
YERAN JI	03/08/2019
SANGSIK PARK	03/08/2019
HYUNJUNE YANG	03/08/2019

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## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	29684439	

## **CORRESPONDENCE DATA**

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DATE SIGNED:	03/21/2019

**Total Attachments: 2** 

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PATENT 505386243 REEL: 048657 FRAME: 0666

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

#### DECLARATION

As a below-named inventor, I hereby de- or to United States Application Number of			•	n attached hereto
filed on		• -		e <b>5</b> :
	ASE FOR MOE	SILE PHONE		
The above-identified application was ma	ide or authorized	to be made by me	,	<u> </u>
I believe I am the original inventor or an application.	original joint inve	ntor of a claimed in	vention in the at	pove-identified
I hereby acknowledge that any willful fall 1001 by fine or imprisonment of not mon			on is punishable (	inder 18 USC
I have reviewed and understand the con	tents of the above	a-identified applica	tion, including the	e claims.
I am aware of the duty to disclose to the me to be material to patentability as defi- material information that became availat PCT international filing date of the contin	ned in 37 CFR 1. He between the fi	56, including for co ling date of the pric	ontinuation-in-par	t applications,
	ASSIGNI	MENT		
For valuable consideration, I, as a below	/-named assignor	, hereby assign to:	e	
Samsung Electronics Co.; Ltd. 129, Samsung-ro; Yeongtong-gu Suwon-si, Gyeonggi-do 16677 Republic of Korea	<b>.</b> 			
and its successors and assigns (collective	ely hereinafter co	alled "the Assignes	e"), the entire righ	it, title, and
interest throughout the world in the inver	ntions and improv	ements that are th	e subject of the a	application
identified in the above declaration, which Number 29/684,439	r is United States filed on Marc	Application Numb h 21, 2019	er or PCT Interna	etional Application
I authorize and request the attorneys applications and applications are supported by inserting above the application when known, and to correct any typograp	pointed in the abo cation number an	ve-identified appli d the filing date of	cation to hereafts the above-identif	fied application
This Assignment includes the above-ider utility models, and design registrations g subject of the above-identified applicatio identified application under the Internation Cooperation Treaty, the European Pater the Assignee to apply in all countries in r	ranted for any of n, and the right to anal Convention for t Convention, an	the inventions and claim priority basi or the Protection o d all other treaties	improvements the ed on the filing do f Industrial Prope of like purposes;	nat are the ate of the above- rty, the Patent and I authorize

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.

**PATENT** REEL: 048657 FRAME: 0667

## 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	Yeran Ji		
Inventor's Signature		Date	March 8, 2019
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Inventor's Legal Name	Sangsik PARK				
Inventor's Signature		Date	March	8.	20/9
Residence (City, Country)	Suwon-si, Republic of Korea				
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Inventor's Legal Name	Hyunjune YANG		
Inventor's Signature		Date	Mach. 8, 2019
Residence (City, Country)	Suwon-si, Republic of Korea	••••	
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