## 506397731 12/11/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6444487

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YOUNG SUK JUNG	12/05/2020
BOK SOON KWON	11/12/2020
JOO YOUNG KIM	11/13/2020
DON-WOOK LEE	11/13/2020
SUK GYU HAHM	11/13/2020

#### **RECEIVING PARTY DATA**

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

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

Property Type	Number
Application Number:	17115167

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)668-8200

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:** 703-668-8000

Email: dcmailroom@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

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ATTORNEY DOCKET NUMBER: 15639-000462-US	
NAME OF SUBMITTER:	JOHN A. CASTELLANO, REG NO. 35,094
SIGNATURE:	/John A. Castellano/
DATE SIGNED:	12/11/2020

**Total Attachments: 8** 

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PATENT 506397731 REEL: 054613 FRAME: 0004



PATENT REEL: 054613 FRAME: 0005

SAMSUNG E	ECTRONICS CO., LTD.		
COMBINED	) DECLARATION (37 CFR §1.63) FO	R UTILITY PATENT APPL	ICATION AND ASSIGNMENT FORM <sup>1</sup>
The undersi	gned acknowledges that this docu	ment is being used both	as an assignment of the invention
and as the c	declaration (37 CFR 1.63) for a Utili	ty or Design Application	•
WHEREAS, 1	the undersigned, hereinafter referi	ed to collectively as Ass	signor, has invented:
Title:	APPARATUS AND METHOD FOR P CROSSLINKED PRODUCT /		
for which A:	ssignor is about to make or has ma	de United States or Inte	rnational application for patent.
WHEREAS, a	as a below named inventor(s), I/(w	e) hereby declare that:	
Section I. D	Peclaration		
This declara	ition is directed to:		
	The attached U.S. non-provisio	nal patent application,	or
	U.S. non-provisional patent app	ilication number	, filed on
	PCT international patent applic	ation number	, filed on
The above-i	dentified application was made or	authorized to be made	by me (us).
	ve that I am (we are) the original in dentified application.	ventor (original joint in	ventors) of a claimed invention in
	by acknowledge that any willful fals 101 by fine or imprisonment of not		
<sup>1</sup> This form re	aquires the use of an Application Data She	et.	
SEC Ref No.	. RN-201909-017-1-US0	Attorney Ref No	15639-0600462-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 1 of 4
PATENT

REEL: 054613 FRAME: 0006

SAMSUNG ELECTRONICS CO., LTD.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

## Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

## Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters

RN-201909-017-1-US0 15639-000462-US SEC Ref No. Attorney Ref No.

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM.

Page 2 of 4

PATENT

patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of **Harness**, **Dickey & Pierce**, **P.L.C**. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

## Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	JUNG	Young Suk	
SIGNATURE	74k0	DATE	2009/17/03

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
SECOND INVENTOR/ASSIGNOR	KWON	Bok Soon	
		DATE	
SIGNATURE_			

SEC Ref No. RN-201909-017-1-US0 Attorney Ref No. 15639-000462-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 4 of 4
PATENT

REEL: 054613 FRAME: 0009

# COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM<sup>1</sup>

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title: A	PPARATUS AND METHOD FOR I CROSSLINKED PRODUCT /		
	Choosiianio i noboci i		
for which Ass	ignor is about to make or has m	ade United States or In	ternational application
for patent.			
WHEREAS, as	a below named inventor(s), I/(v	we) hereby declare that	
Section I. De	claration		
This declarati	on is directed to:		
$\boxtimes$	The attached U.S. non-provisi	onal patent application	, or
	U.S. non-provisional patent ap		, filed
	PCT international patent applic	cation number	, filed on
The above-ide	entified application was made o	r authorized to be made	e by me (us).
	that I am (we are) the original in the above-identified application.	nventor (original joint i	nventors) of a claimed
	acknowledge that any willful fal ider 18 U.S.C. 1001 by fine or im		
<sup>1</sup> This form requ	uires the use of an Application Data Sh	eet.	
SEC Ref No.	RN-201909-017-1-US0	Attorney Ref No.	15639-000462-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 1 of 4

PATENT REEL: 054613 FRAME: 0010 I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

#### Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

#### Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-

SEC Ref No. RN-201909-017-1-US0 Attorney Ref No. 15639-000462-US

PATENT REEL: 054613 FRAME: 0011 examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

## Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	JUNG	Young Suk	
SIGNATURE		DATE	

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name  KWON	First Given Name  Bok Soon	Second Given Name
SIGNATURE	<u> 111-</u>	DATE	11/12/2000

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SEC Ref No.	RN-201909-017-1-US0	Attorney Ref No.	15639-000462-US

LEGAL NAME OF THIRD	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	KIM	Joo Young	
SIGNATURE	for	DATE	11/13 / 2000

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	LEE	Don-Wook	
SIGNATURE	an	DATE	11/13/2020

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	НАНМ	Suk Gyu	
SIGNATURE	Men	DATE	11/12/2000
3837740711			

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