506787567 07/27/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6834386

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEONGKEUN CHO	07/01/2021
EUNHEE JEANG	07/01/2021
JIHUN LEE	07/01/2021
GYUMIN JEONG	07/01/2021
HYUNJAE KANG	07/01/2021
TAEMIN EARMME	07/01/2021

RECEIVING PARTY DATA

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State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17386323

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	239/1339_00
NAME OF SUBMITTER:	EUGENE M. LEE
SIGNATURE:	/Eugene M. Lee/
DATE SIGNED:	07/27/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

506787567 REEL: 056998 FRAME: 0655

PATENT

Total Attachments: 5 source=Combined_Decl_and_Assignment#page1.tif source=Combined_Decl_and_Assignment#page2.tif source=Combined_Decl_and_Assignment#page3.tif source=Combined_Decl_and_Assignment#page4.tif source=Combined_Decl_and_Assignment#page5.tif

PATENT REEL: 056998 FRAME: 0656

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM $^{\rm I}$

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR, L63) for a Utility or Design Application.

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

Title: METHOD OF FABRICATING A SEMICONDUCTOR DEVICE

WHEREAS,	as a below named inventor(s), I/(we) hereby declare th	at:
Section I. De	eclaration		
This declarati following is r	on is directed to the attached narked:	U.S. non-provisional pat	ent application, unless the
	U.S. non-provisional paten	t application number	, filed on
	PCT international patent a	pplication number	, filed on
	as amended by the Preli	minary Amendment attac	hed hereto.
	as amended by the Preli	iminary Amendment filed	on
The above-id	entified application was mad	e or authorized to be mad	e by me (us).
•	that I am (we are) the origin he above-identified applicati	. 44	inventors) of a claimed
	acknowledge that any willfu C. 1001 by fine or imprison		this declaration is punishable (5) years, or both.
v	that I have reviewed and uncluding the claims (as amen		
	e that I am aware of the duty as defined in 37 CFR § 1.56.		hich is material to
This form req	nuires the use of an Application Da	ta Sheet.	
SEC Ref No.	IE-202009-085-1-US0	Attorney Ref No	239/1339_00
COMBIN	ED DECLARATION (37 CFR	. 1.63) FOR UTILITY PATI	ENT APPLICATION AND

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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-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

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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 LEE IP LAW, P.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	СНО	Seongkeun					
		<i>§</i>					
SIGNATURE _	(40)	DATE	2021/7/1				
SIGNATURE	Family Name						

SECOND	ramity (vame	rirst Given Name	2conn aisen isanic
INVENTOR/ASSIGNOR	JEANG	Eunhee	
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	17 6 V V		2021/7/1
SIGNATURE	· · · · · · · · · · · · · · · · · · ·	DATE	20120-0177-0

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LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD INVENTOR/ASSIGNOR	LEE	Jihun	
			V.,
	<i>(</i>);		
SIGNATURE	C	DATE	2021/7/1
		Unit	
LEGAL NAME OF	Family Name	First Given Name	Second Given Name
		}	
FOURTH NVENTOR/ASSIGNOR	JEONG	Gyumin	
	JEONG JVAM-	Gyumin	2021/7/1
NVENTOR/ASSIGNOR SIGNATURE	nam	DATE	
NVENTOR/ASSIGNOR	MAM- Family Name	DATE First Given Name	
SIGNATURE LEGAL NAME OF FIFTH	nam	DATE	
SIGNATURE LEGAL NAME OF FIFTH	MAM- Family Name	DATE First Given Name	
SIGNATURE LEGAL NAME OF FIFTH	MAM- Family Name	DATE First Given Name	
SIGNATURE LEGAL NAME OF	MAM- Family Name	DATE First Given Name Hyunjae	2021/7/1 Second Given Name 2021/7/1

SEC Ref No. IE-202009-085-1-US0 Attorney Ref No. 239/1339_00

L NAME OF	Family Name	First Given Name	Second Given Name
SIXTH OR/ASSIGNOR	EARMME	Taemin	
L.			
			2021/7/1

239/1339 00 SEC Ref No. IE-202009-085-1-US0 Attorney Ref No.

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RECORDED: 07/27/2021

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