PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NACKYONG JOO	04/01/2019

RECEIVING PARTY DATA

Name:	HYUNDAI MOTOR COMPANY
Street Address:	12, HEOLLEUNG-RO, SEOCHO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06797
Name:	KIA MOTORS CORPORATION
Name: Street Address:	KIA MOTORS CORPORATION 12, HEOLLEUNG-RO, SEOCHO-GU
Street Address:	12, HEOLLEUNG-RO, SEOCHO-GU

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16381361

CORRESPONDENCE DATA

Fax Number: (312)913-0002

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: 3129130001 Email: fuller@mbhb.com

Correspondent Name: MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP

Address Line 1: 300 SOUTH WACKER DRIVE Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	19-427-US
NAME OF SUBMITTER:	JORI R. FULLER
SIGNATURE:	/Jori R. Fuller/
DATE SIGNED:	04/11/2019

Total Attachments: 3

PATENT REEL: 048860 FRAME: 0118

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> PATENT REEL: 048860 FRAME: 0119

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY PATENT AND DESIGN PATENT APPLICATIONS

DECLARATION

As a below named inventor, I hereby declare that:

Docket No.: 19-427-US

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

the app	lication of which is attached hereto unless the following is checked	
	United States application or PCT international application number	filed on
The abo	ove-identified application was made or authorized to be made by me.	
I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.		

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

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to:

HYUNDAI MOTOR COMPANY

12, Heolleung-ro, Seocho-gu, Seoul REPUBLIC OF KOREA

KIA MOTORS CORPORATION

12, Heolleung-ro, Seocho-gu, Seoul REPUBLIC OF KOREA

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

and identified as:

19-427-US

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

Page 1 of 3

Docket No.: 19-427-US

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor:	NackYong JOO	I	Date:	Apr. 1st.	2019
haventor Signature:	Nack Yong	Joo		*	

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Witness Name:	Date:	
Witness Signature:		
Witness Name:	Date:	
Witness Signature:		