505935629 02/26/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5982348

		NEW ASSIGNMENT		
NATURE OF CONVEYAN	CE:	ASSIGNMENT		
CONVEYING PARTY DA	TA			
		Name	Execution Date	
KWANG IL KIM			02/20/2020	
YANG BEOM KANG			02/20/2020	
JUNG HWAN LEE			02/20/2020	
MIN KUCK CHO			02/20/2020	
HYUN CHUL KIM			02/20/2020	
RECEIVING PARTY DAT	 А			
		CHIP SEMICONDUCTOR, LTD.		
Street Address:	215, DA	ESIN-RO, HEUNGDEOK-GU, CHUNG	GCHEONGBUK-DO	
City:	CHEONGJU-SI			
State/Country:	KOREA, REPUBLIC OF			
Postal Code:	28429			
	Fotal: 1	Number		
Property Type			_	
Property Type Application Number:	1	6801266		
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Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if pl</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUI IAME OF SUBMITTER:	ATA sent to rovided; P F V	202)315-3758 the e-mail address first; if that is un- if that is unsuccessful, it will be se 202-429-0020 oto@nsiplaw.com NSIP LAW P.O. BOX 65745 VASHINGTON, D.C. 20035 023103.0214 JONATHAN D. SCHLAIFER		

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PATENT REEL: 051930 FRAME: 0620

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto,

or to United States Application Number or PCT International Application Number

_____ filed on ______ (if applicable), entitled:

SEMICONDUCTOR DEVICE INCLUDING NONVOLATILE MEMORY DEVICE AND LOGIC DEVICE AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE INCLUDING NONVOLATILE MEMORY DEVICE AND LOGIC DEVICE

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:

MagnaChip Semiconductor, Ltd. 215, Daesin-ro, Heungdeok-gu Cheongju-si, Chungcheongbuk-do, 28429 Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and

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 continuation applications and divisional applications claiming the benefit of the above-identified application under the United States patent laws, 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 filing 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 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: 051930 FRAME: 0621

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	Kwang Il KIM		
inventor's Signature	Date 20.20, 02, 20		
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inventor's Legal Name	Yang Beom KANG		
inventor's Signature	- Alm	Date	2010, 02. 20
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