PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAE KYUNG LEE	03/07/2017
YONG JIN KANG	03/07/2017
MOON CHUL LEE	03/07/2017
JAE HYOUNG GIL	03/07/2017
CHANG HYUN LIM	03/07/2017
TAE YOON KIM	03/07/2017

RECEIVING PARTY DATA

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City:	SUWON-SI	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15462110	

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	BRIAN J. HAIRSTON
SIGNATURE:	/Brian J. Hairston/
DATE SIGNED:	03/17/2017

Total Attachments: 3

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PATENT REEL: 041618 FRAME: 0450

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inv	entor, I hereby declare that this declaration is directed to the application attached hereto, o
	cation Number or PCT International Application Number
filed on	(if applicable), entitled
	BULK-ACOUSTIC WAVE FILTER DEVICE
The above-identified a	application was made or authorized to be made by me.
I believe I am the original polication.	inal inventor or an original joint inventor of a claimed invention in the above-identified
	that any willful false statement made in this declaration is punishable under 18 USC 1001 nt of not more than five (5) years, or both
I have reviewed and u	inderstand the contents of the above-identified application, including the claims.
to be material to pater information that becan	y to disclose to the United States Patent and Trademark Office all information known to me htability as defined in 37 CFR 1.56, including for continuation-in-part applications, material me available between the filing date of the prior application and the national or PCT e of the continuation-in-part application.
	ASSIGNMENT
For valuable considera	ation, I, as a below-named assignor, hereby assign to:
Samsung Elec Maeyoung-ro Suwon-si, Gye Republic of Ko	
and its successors and	d assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest
throughout the world	n the inventions and improvements that are the subject of the application identified in the
above declaration, wh	rich is United States Application Number or PCT International Application Number
15/462,110	filed on March 17, 2017
Assignment by inserting	st the attorneys appointed in the above-identified application to hereafter complete this ng above the application number and the filing date of the above-identified application whe any typographical errors that may be discovered in this Assignment.
models, and design re above-identified applica- application under the Treaty, the European apply in all countries in	ides the above-identified application, any and all United States and foreign patents, utility agistrations granted for any of the inventions and improvements that are the subject of the cation, and the right to claim priority based on the filing date of the above-identified international Convention for the Protection of Industrial Property, the Patent Cooperation Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to in my name or in its own name for patents, utility models, design registrations, like rights of ors, certificates for any of the inventions and improvements that are the subject of the above

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identified application; and I agree for myself and my heirs, legal representatives, and assigns without further

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

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.

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	Tae Kyung LFE
Inventor's Signature	Date 20/0.3.2
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Inventor's Legal Name	Yong Jin KANG
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Inventor's Signature	Bale 2017 . 3. 7	
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Inventor's Legal Name	Jae Hyoung GIL			
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Inventor's Legal Name	Tae Yoon KIM	
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RECORDED: 03/17/2017

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