

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JINHO OH	08/10/2018
HUISUNG MOON	08/14/2018
MINYOUNG LEE	08/14/2018
MANSEUNG HEO	08/14/2018
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:	15999348
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<i>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.</i>	
Phone:	312-616-5600
Email:	Assignments@leydig.com
Correspondent Name:	LEYDIG, VOIT & MAYER, LTD.
Address Line 1:	TWO PRUDENTIAL PLAZA, SUITE 4900
Address Line 2:	180 NORTH STETSON AVENUE
Address Line 4:	CHICAGO, UNITED STATES 60601-6745
ATTORNEY DOCKET NUMBER:	740186
NAME OF SUBMITTER:	JOHN L. GASE
SIGNATURE:	/John L. Gase/
DATE SIGNED:	09/12/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	

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COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: FILTER AND DEVICE INCLUDING THE SAME

DECLARATION

As an inventor named below, I hereby declare for:

the attached patent application, or
 United States patent application or PCT international patent application number _____ filed
_____ that:

- (i) the patent application identified above was made or authorized to be made by me;
- (ii) I believe that I am the original inventor or an original joint inventor of an invention claimed in the patent application identified above; and
- (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both fine and imprisonment.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are acknowledged, I sell, assign, and transfer to

SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, KR


(hereinafter "ASSIGNEE") and its successors, assigns, and legal representatives, my entire right, title and interest for the United States of America, as defined in 35 U.S.C. 100, in the invention(s) disclosed in the patent application identified above, and any and all extensions, divisions, reissues, reexaminations, continuations, or continuations-in-part patent applications of the patent application identified above;

I authorize and request the United States Director of Patents and Trademarks to issue any and all United States Letters Patent which may be granted for the invention(s) disclosed in the patent application identified above, and any and all extensions, divisions, reissues, reexaminations, continuations, or continuations-in-part patent applications of the patent application identified above, and the right to all benefits under the Patent Corporation Treaty, and the international Convention for the Protection of Industrial Property to the ASSIGNEE, for its interest as ASSIGNEE; and

I agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, continuation, divisional, continuation-in-part, reissued, or reexamined Letters Patent of the United States, upon request of the ASSIGNEE, and without further remuneration, in and to any improvements, and applications for patent based on the patent application identified above, growing out of or related to the invention(s) disclosed in the patent application identified above, and to execute any papers of the ASSIGNEE, deemed essential to ASSIGNEE'S full protection and title in and to the invention(s) transferred by this Assignment.

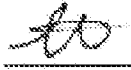
It is agreed the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto.

I authorize ASSIGNEE to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment.



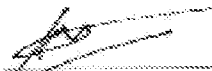
Jidha Oh

Date 10 Aug 2018



Huisung Moon

Date 18. 08. 14



Minyoung Lee

Date 18. 08. 14



Mansung Heo

Date 18. 08. 14