

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6142025

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SO-YOUNG YUN	05/25/2020
JEE-HO PARK	05/25/2020
YASUHIKO KOCHIYAMA	05/14/2020
HYONG SOO NOH	05/25/2020
KI SUP LEE	05/25/2020
IL YONG CHO	05/25/2020
EUY SUNG CHU	05/25/2020
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:	16770222
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	2494.1827
NAME OF SUBMITTER:	PAUL I. KRAVETZ REG. NO. 35,230
SIGNATURE:	/Paul I. Kravetz/
DATE SIGNED:	06/08/2020

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Total Attachments: 3

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WORLD WIDE ASSIGNMENT

PAGE 1/1

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration furnished to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD
 129, Samsung-ro, Yeongtong-gu,
 Suwon-si, Gyeonggi-do 16877
 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

FILTER MODULE

relating to International Patent Application PCT/_____/_____, and/or for which application for Letters Patent of the United States of America was executed on even date herewith or, if not so executed, was.

(a) executed on : _____ *(Insert date of execution of application, if not concurrent)*

(b) filed on : _____

Serial No. _____

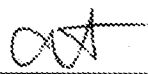
Any registered attorney or patent agent of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States of America and of any and all other countries granted on said invention and/or on said application and any rights of priority, extension, continuation, division, renewal, substitute, reissue, reviews (including inter partes review, post grant review and covered business method review), supplemental examination, interference, or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention in the United States of America and in any and all other countries, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), and in any rights of priority, extension, continuation, division, renewal, substitute, reissue, reviews, supplemental examination, interference, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/hers/their signature(s),
(Typed Name & Signature of Inventor(s)) *(Date)* *(Typed Name & Signature of Witness(es))*

- | | | | |
|----|--|--------------|--|
| 1) | 
So-Young YUN | May 25, 2020 | |
| 2) | 
Jee-Ho PARK | May 25, 2020 | |
| 3) | Kwang Seung LEE | | |
| 4) | Yasuhiko KOCHIYAMA | | |
| 5) | 
Hyong Soo NOH | May 25, 2020 | |
| 6) | 
Ki Sup LEE | May 25, 2020 | |
| 7) | 
Il Yang CHO | May 25, 2020 | |

7) 
Euy Sung CHU

May 25, 2020

WORLD WIDE ASSIGNMENT

S&H 1/18

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration furnished to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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129, Samsung-ro, Yeongtong-gu,
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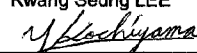
The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention in the United States of America and in any and all other countries, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), and in any rights of priority, extension, continuation, division, renewal, substitute, reissue, reviews, supplemental examination, interference, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) _____ So-Young YUN	_____	_____
2) _____ Jee-Ho PARK	_____	_____
3) _____ Kwang Seung LEE	_____	_____
4) _____  Yesuhiko KOCHIYAMA	May 14, 2020	_____
5) _____ Hyong Soo NOH	_____	_____
6) _____ Ki Sup LEE	_____	_____
7) _____ Il Yong CHO	_____	_____

PATENT