PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5908086

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG-WOO SHIN	01/03/2020
SANG-HOON LEE	01/03/2020
YOUNG-CHUL KO	01/03/2020
HYUN-JOO KIM	01/03/2020

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:	16630263

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	1904.1493	
NAME OF SUBMITTER:	PAUL I. KRAVETZ 35,230	
SIGNATURE:	/Paul I. Kravetz/	
DATE SIGNED:	01/13/2020	

Total Attachments: 1

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PATENT REEL: 051498 FRAME: 0145

505861149

WORLD WIDE ASSIGNMENT

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, 16677 Republic of Korea		
(hereinafter, "ASSIGNEE"), the receipt of which is transfers to ASSIGNEE the entire and exclusive rig (Title of Invention)	hereby acknowledged, the unc ght, title and interest to the inve	dersigned ASSIGNOR hereby sells, assigns and entitled
FILTER ASSEMBLY AND AIR CLE	ANER HAVING THE S	BAME
relating to International Patent Application PCT/	/and/or for white ewith or, if not so executed, wa	ch application for Letters Patent of the United is:
(a) executed on ;	(Insert date of execu	ution of application, if not concurrent)
(b) filed on , «Filing_Date» Serial No. «Serial_No»;	1201 New York Ave	ney or patent agent of STAAS & HALSEY UP, nue, N.W., Suite 700 Washington, D.C. 20005 ereby authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of invention and/or on said application and any rights (including inter partes review, post grant review an reexamination application based thereon, for the fit any extensions thereof (collectively, hereinafter, "s The ASSIGNOR agree(s), when request ASSIGNEE, to do all acts which the ASSIGNEE menforcing protection for said invention in the United and prosecution of said application(s) and the issuit division, renewal, substitute, reissue, reviews, supplied in any litigation or other legal proceeding which may to executing all papers, including separate assignmentations and producing evidence.	of priority, extension, continued covered business method re Jil term or terms for which the s- aid application(s) and Letters I ted by said ASSIGNEE and with ay deem necessary, desirable d States of America and in any pance of said Letters Patent(s), plemental examination, interfer- by arise or be declared in rejati-	ution, division, renewal, substitute, reissue, reviews view), supplemental examination, interference, or said Letters Patent(s) may be granted and includin Patent(s)"). thout charge to but at the expense of said or expedient, for securing, maintaining and and all other countries, including in the preparation and all other countries, including in the preparation rence, reexamination, or public use proceeding, and on to same, such acts to include but not be limited
IN WITNESS WHEREOF, the undersigned inve (Typed Name & Signature of Inventor(s))	entor(s) has (have) affixed his/l (Date)	her/their signature(s). (Typed Name & Signature of Witness(es))
1)	<u> 2020 / 3.</u>	
Dong-woo SHIN 2) ・ / なき		
2) <u>/ かで</u> Sang-hoon LEE	<u> 2028. (. 3</u>	
3) <u>(co yours) Jul</u> Young-chai KO	2020, [.]	
4) HYUN-JOO KIM	2020, 7, 3,	
Hyun-joo KIM		

선용무17048592구조유용Lab(생원가전)+*25092100 20200103138100

RECORDED: 01/13/2020

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