PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YEON-SU KIM	02/08/2018
JAE-WON CHOI	02/08/2018
SEUNG-WOOK SUH	02/08/2018
JAE-HO JANG	02/08/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29636430

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SIGNATURE:	/Shabnam Nowrouzi/
DATE SIGNED:	02/08/2018

Total Attachments: 2

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PATENT 504769655 REEL: 044870 FRAME: 0174

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

			Section of section 2 start 5 start 4	
As a belo	w-named inventor	, I hereby decla	re that this declaration is directed to t	he application attached hereto, o
to United	States Application	Number or PC	T International Application Number _	29/636,430
filed on _	February 8, 2	018 (if	applicable), entitled:	
			Brush for Vacuum Cleaner	
The abov	e-identified applic	ation was made	or authorized to be made by me.	
I believe l applicatio	7	ventor or an or	ginal joint inventor of a claimed inven	tion in the above-identified
		the second control of the second	statement made in this declaration is ve (5) years, or both.	punishable under 18 USC 1001
I have rev	riewed and unders	stand the conte	nts of the above-identified application	, including the claims.
to be mat information	erial to patentabili on that became av	ty as defined in ailable betweer	nited States Patent and Trademark O 37 CFR 1.56, including for continuati the filing date of the prior application in-part application.	on-in-part applications, material
			ASSIGNMENT	
For valua	ble consideration,	I, as a below-n	amed assignor, hereby assign to:	
1 S	amsung Electroni 29, Samsung-ro, ` uwon-si, Gyeong lepublic of Korea	Yeongtong-gu		
and its su	ccessors and ass	igns (collective)	y hereinafter called "the Assignee"), t	he entire right, title, and interest
throughou	ut the world in the	inventions and	improvements that are the subject of	the application identified in the
above de	claration, which is	United States	Application Number or PCT Internatio	nal Application Number
29	9/636,430	filed on	February 8, 2018	
Assignme	ent by inserting ab	ove the applica	inted in the above-identified application tion number and the filing date of the rors that may be discovered in this A	above-identified application whe
models, a above-ide	nd design registra entified application	ations granted for and the right t	fied application, any and all United St or any of the inventions and improven o claim priority based on the filing dat tion for the Protection of Industrial Pr	nents that are the subject of the te of the above-identified

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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

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.

	eoul, Republic of Korea	Date	2018. 02.08
	eoul, Republic of Korea		
	201 (Dogok-dong, Insun villa) Namt apublic of Korea	ousuunhwan-ro 351	gil 34-1, Gangnam-gu, Seoul,
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Inventor's Legal Name	Jae-Ho JANG		
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