PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAE-KWANG KIM	02/10/2017
DONG-HYUN LEE	02/10/2017
WON-KYU LIM	02/10/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29594769

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DATE SIGNED:	02/22/2017

Total Attachments: 2

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PATENT 504239362 REEL: 041341 FRAME: 0806

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

to United States Applicat	ion Number or PCT International Application Number 29/594,769
filed on February 22	?, 2017 (if applicable), entitled:
	VACUUM CLEANER
The above-identified app	fication was made or authorized to be made by me.
I believe I am the original application.	inventor or an original joint inventor of a claimed invention in the above-identified
	at any willful false statement made in this declaration is punishable under 18 USC 1001 of not more than five (5) years, or both.
I have reviewed and unde	erstand the contents of the above-identified application, including the claims.
to be material to patental information that became a	disclose to the United States Patent and Trademark Office all information known to me oility as defined in 37 CFR 1.56, including for continuation-in-part applications, material available between the filing date of the prior application and the national or PCT the continuation-in-part application.
	ASSIGNMENT
For valuable consideratio	n, I, as a below-named assignor, hereby assign to:
Samsung Electro 129, Samsung-ro Suwon-si, Gyeon Republic of Kores	, Yeongtong-gu ggi-do 16677
and its successors and as	ssigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest
throughout the world in th	e inventions and improvements that are the subject of the application identified in the
above declaration, which 29/594,769	is United States Application Number or PCT International Application Number filed on February 22, 2017
Assignment by inserting a	e attorneys appointed in the above-identified application to hereafter complete this bove the application number and the filing date of the above-identified application wher typographical errors that may be discovered in this Assignment.
Thin Angingment heat idea	the about identified analogation, any and all United Ctates and facility paragraphs within

exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the aboveidentified application; and I agree for myself and my heirs, legal representatives, and assigns without further

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models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation 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

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.

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