

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	BOHYUN NAM	05/18/2017
	INBO SHIM	05/18/2017
	JIHOON SUNG	05/18/2017
	SOJIN PARK	05/18/2017
	SEUNGHYUN SONG	05/18/2017
	SANGKYU LEE	05/18/2017
	WOOCHAN JUN	05/18/2017
	CHANGHWA SUN	05/18/2017
	HYUNGKYU YOUK	05/18/2017
	SANGJO KIM	05/18/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	LG ELECTRONICS INC.	
<b>Street Address:</b>	128,YEOUI-DAERO, YEONGDEUNGPO-GU	
<b>City:</b>	SEOUL	
<b>State/Country:</b>	KOREA, REPUBLIC OF	
<b>Postal Code:</b>	07336	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15599829	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(703)766-3644	
<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>		
<b>Phone:</b>	7037663777	
<b>Email:</b>	ked-docket@ked-iplaw.com	
<b>Correspondent Name:</b>	KED & ASSOCIATES, LLP	
<b>Address Line 1:</b>	P.O. BOX 8638	
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<b>ATTORNEY DOCKET NUMBER:</b>	P-1527	

<b>NAME OF SUBMITTER:</b>	DANIEL Y.J. KIM
<b>SIGNATURE:</b>	/Daniel Y.J. Kim/
<b>DATE SIGNED:</b>	05/19/2017
<b>Total Attachments: 2</b> source=Assignment#page1.tif source=Assignment#page2.tif	

**ASSIGNMENT**

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- |                           |                          |
|---------------------------|--------------------------|
| (1) <u>Bohyun NAM</u>     | (6) <u>Sangkyu LEE</u>   |
| (2) <u>Inbo SHIM</u>      | (7) <u>Woochan JUN</u>   |
| (3) <u>Jihoon SUNG</u>    | (8) <u>Changhwa SUN</u>  |
| (4) <u>Sojin PARK</u>     | (9) <u>Hyungkyu YOUK</u> |
| (5) <u>Seunghyun SONG</u> | (10) <u>Sangjo KIM</u>   |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

**LG ELECTRONICS INC.**  
**128, Yeoui-daero, Yeongdeungpo-gu**  
**Seoul, 07336, Republic of Korea**

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

**AUTONOMOUS CLEANER**

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or

(b) for which an application for United States Letters Patent was executed on May 18, 2017,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

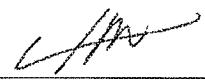


AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

AND the undersigned hereby grants the firm of KED & ASSOCIATES, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- |  |                     |
|--|---------------------|
| 1) <br>Name: <b>Bohyun NAM</b>  | <u>May 18, 2017</u> |
| 2) <br>Name: <b>Inbo SHIM</b>   | <u>May 18, 2017</u> |
| 3) <br>Name: <b>Jihoon SUNG</b> | <u>May 18, 2017</u> |

Name: Jihoon SUNG

- 4)   
Name: Sojin PARK May 18, 2017
- 5)   
Name: Seunghyun SONG May 18, 2017
- 6)   
Name: Sangkyu LEE May 18, 2017
- 7)   
Name: Woonchan JUN May 18, 2017
- 8)   
Name: Changhwa SUN May 18, 2017
- 9)   
Name: Hyungkyu YOUK May 18, 2017
- 10)   
Name: Sangjo KIM May 18, 2017