503023019 10/17/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3069619

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| KIETAK HYUN | 10/15/2014 |
| GOONDONG PARK | 10/15/2014 |
| SEUNGYEOP LEE | 10/15/2014 |

RECEIVING PARTY DATA

| Name: | LG ELECTRONICS INC. | |
|-----------------|-----------------------------------|--|
| Street Address: | 128, YEOUI-DAERO, YEONGDEUNGPO-GU | |
| City: | SEOUL | |
| State/Country: | KOREA, REPUBLIC OF | |
| Postal Code: | 150-721 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14516821 |

CORRESPONDENCE DATA

Fax Number: (703)766-3644

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.

Phone: 7037663777

Email: assigned@ked-iplaw.com
Correspondent Name: KED & ASSOCIATES, LLP

Address Line 1: P.O. BOX 8638

Address Line 4: RESTON, VIRGINIA 20195

| ATTORNEY DOCKET NUMBER: | HI-0975 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | PAUL H. KANG |
| SIGNATURE: | /Paul H. KANG/ |
| DATE SIGNED: | 10/17/2014 |

Total Attachments: 1

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PATENT 503023019 REEL: 033970 FRAME: 0579

Docket No.: HI-0975

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) Kietak HYUN (2) Goondong PARK (3) Seungyeop LEE who have made a certain new and useful invention, hereby sell, assign and transfer unto LG ELECTRONICS INC. 128, Yeoui-daero, Yeongdeungpo-gu Seoul, 150-721 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 VACUUM 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 October 15, 2014 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 Kie Tak Hyun Name: Kietak HYUN 2014.10.15 Goon Dong Park
Name: Goondong PARK 2014.10.15 Name: Seungyeop LEE 4) Name: 5)

> PATENT REEL: 033970 FRAME: 0580

RECORDED: 10/17/2014

Name:

Name: