

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7027111

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| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ASSIGNEE'S COUNTRY OF RECORD previously recorded on Reel 056171 Frame 0917. Assignor(s) hereby confirms the ASSIGNMENT. |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| Namgyu SHIN | 03/31/2021 |
| Dong Hyuk LEE | 04/06/2021 |
| Naehyun PARK | 04/06/2021 |
| Ah Ram KIM | 03/31/2021 |
| Giseop LEE | 03/31/2021 |
| RECEIVING PARTY DATA | |
| Name: | LG ELECTRONICS INC. |
| Street Address: | 128, YEOUNI-DAERO, YEONGDEUNGPO-GU |
| City: | SEOUL |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 07336 |
| PROPERTY NUMBERS Total: 1 | |
| | |
| Property Type | Number |
| Application Number: | 17313518 |
| CORRESPONDENCE DATA | |
| Fax Number: | (877)769-7945 |
| <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> | |
| Phone: | +1 (202) 626-7785 |
| Email: | deal@fr.com |
| Correspondent Name: | JONG WAN SUH |
| Address Line 1: | FISH & RICHARDSON P.C. |
| Address Line 2: | P.O.BOX 1022 |
| Address Line 4: | MINNEAPOLIS, MINNESOTA 55440-1022 |
| ATTORNEY DOCKET NUMBER: | 44118-0172001 |
| NAME OF SUBMITTER: | MICHELLE L DEAL |
| SIGNATURE: | /Michelle L Deal/ |
| DATE SIGNED: | 11/16/2021 |

Total Attachments: 7

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6698376

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| Namgyu SHIN | 03/31/2021 |
| Dong Hyuk LEE | 04/06/2021 |
| Naehyun PARK | 04/06/2021 |
| Ah Ram KIM | 03/31/2021 |
| Giseop LEE | 03/31/2021 |
| RECEIVING PARTY DATA | |
| Name: | LG ELECTRONICS INC. |
| Street Address: | 128, YEOUI-DAERO, YEONGDEUNGPO-GU |
| City: | SEOUL |
| State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF |
| Postal Code: | 07336 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17313518 |
| CORRESPONDENCE DATA | |
| Fax Number: | (877)769-7945 |
| <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> | |
| Phone: | +1 (202) 626-7785 |
| Email: | haider@fr.com, apsi@fr.com |
| Correspondent Name: | KRISTIE HAIDER |
| Address Line 1: | FISH & RICHARDSON P.C. |
| Address Line 2: | P.O.BOX 1022 |
| Address Line 4: | MINNEAPOLIS, MINNESOTA 55440-1022 |
| ATTORNEY DOCKET NUMBER: | 44118-0172001 |
| NAME OF SUBMITTER: | KRISTIE HAIDER |
| SIGNATURE: | /Kristie Haider/ |
| DATE SIGNED: | 05/07/2021 |
| Total Attachments: 6 | |

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, NAMGYU SHIN, DONG HYUK LEE, NAEHYUN PARK, AH RAM KIM, and GISEOP LEE, each individually assign to LG ELECTRONICS INC., a corporation formed under the laws of Republic of Korea, and having a principal place of business at 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea, and its successors, transferees, and assignees (collectively the “Assignee”), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the “Subject Matter”) described in a patent application that names us as inventors, is titled “ELECTRIFICATION APPARATUS FOR ELECTRIC DUST COLLECTION,” and was or will be filed in the United States Patent and Trademark Office on May 6, 2021, as application 17/313,518 (the “Application”). We authorize the insertion of the filing date and application number above.

This Assignment assigns, in addition to the Subject Matter, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors’ certificates for, any of the Subject Matter (collectively the “Applications and Granted Rights”) in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee’s name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

To the extent any portion of the rights assigned by this Assignment has previously been assigned to the Assignee, this Assignment is a confirmation of the previous assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee’s name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

신상규
Namgyu SHIN

Date: March 31, 2021

Witnessed by:

Signature: 김희진

Date: March 31, 2021

Print Name: Hy.-Jin KIM

Signature: 장은영

Date: March 31, 2021

Print Name: Jin-Eun JANG

Dong Hyuk Lee
Dong Hyuk LEE

Date: 6. Apr. 2021

Witnessed by:

Signature: [Handwritten Signature]

Date: April 06, 2021

Print Name: Hyo-Jin KIM

Signature: [Handwritten Signature]

Date: April 06, 2021

Print Name: Ji-Eun JANG

박 미현
Naehyun PARK

Date: April 6, 2021

Witnessed by:

Signature: [Handwritten Signature]

Date: April 06, 2021

Print Name: HYO-JUN KIM

Signature: [Handwritten Signature]

Date: April 06, 2021

Print Name: Ji-Eun JANG

Ah Ram
Ah Ram KIM

Date: March 31, 2021

Witnessed by:

Signature: *Hyun-Jin*

Date: March 31, 2021

Print Name: Hyun-Jin KIM

Signature: *Ji-Eun*

Date: March 31, 2021

Print Name: Ji-Eun JANG

on file
Giseop LEE

Date: 31. 3. 31

Witnessed by:

Signature: 76 김

Date: March 31 / 2021

Print Name: Hy-Jin KIM

Signature: 76

Date: March 31, 2021

Print Name: JI-EAN JANG

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: LG ELECTRONICS INC.

Signature: _____

Date: _____

Name: _____

Title: _____

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