

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4687392

|                                                                                                                                                                                                 |                                        |
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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>                  |
| MYUNGKEE LEE                                                                                                                                                                                    | 10/18/2017                             |
| SEUNGCHUL CHOI                                                                                                                                                                                  | 10/20/2017                             |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                        |
| <b>Name:</b>                                                                                                                                                                                    | SAMSUNG ELECTRONICS CO., LTD.          |
| <b>Street Address:</b>                                                                                                                                                                          | 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI |
| <b>City:</b>                                                                                                                                                                                    | GYEONGGI-DO                            |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF                     |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                        |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                          |
| <b>Application Number:</b>                                                                                                                                                                      | 15811831                               |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                        |
| <b>Fax Number:</b>                                                                                                                                                                              | (201)226-9246                          |
| <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>                                                                                                                                                                                   | 201-226-9245                           |
| <b>Email:</b>                                                                                                                                                                                   | jeryl.bizzoco@chareiter.com            |
| <b>Correspondent Name:</b>                                                                                                                                                                      | CHA & REITER, LLC                      |
| <b>Address Line 1:</b>                                                                                                                                                                          | 17 ARCADIAN AVENUE                     |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 208                              |
| <b>Address Line 4:</b>                                                                                                                                                                          | PARAMUS, NEW JERSEY 07652              |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 4500-1-517                             |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | STEVE CHA                              |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Steve Cha/                            |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 11/14/2017                             |
| <b>Total Attachments: 3</b>                                                                                                                                                                     |                                        |
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**Assignment of Invention and Patent Application**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration,

- 1) Myungkee LEE                      of              #103-1502, 112, Yeongtong-ro 200beon-gil, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, Republic of Korea
- 2) Seungchul CHOI                      of              #149-1001, 57, Hwasan-ro, Paldal-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

**SAMSUNG ELECTRONICS CO., LTD.**                      of  
**129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677**  
**REPUBLIC OF KOREA**

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America and all other countries as defined in 35 U.S.C. Section 261, in and to the invention entitled as:

**ELECTRONIC DEVICE AND OPERATION METHOD THEREOF**

invented by **Assignor**; the application for United States patent and all other countries, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent and all other countries. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States and all other countries, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

**SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

**Name of First Inventor: Myungkee LEE**

Lee Myung kee  
Signature of inventor

Dated: October 18, 2017

WITNESSED: hy

**Name of Second Inventor: Seungchul CHOI**

\_\_\_\_\_  
Signature of inventor

Dated: \_\_\_\_\_

WITNESSED: \_\_\_\_\_

**SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

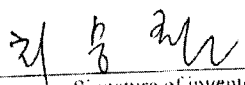
Name of First Inventor: Myungkee LEE

\_\_\_\_\_  
Signature of inventor

Dated: \_\_\_\_\_

WITNESSED: \_\_\_\_\_

Name of Second Inventor: Seungchul CHOI

  
\_\_\_\_\_  
Signature of inventor

Dated: 20th Oct. 2017

WITNESSED: by