

## 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>
WOON-GEUN KWAK	03/24/2016
JUNG-SIK PARK	03/24/2016
JAE-OUK CHUNG	03/24/2016
DO-HUN CHA	03/24/2016
KYUNG-JUNG KIM	03/24/2016
SEUNG-WON OH	03/24/2016
<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>
Application Number:	15086286
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(201)226-9246
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<b>ATTORNEY DOCKET NUMBER:</b>	5000-1-1733
<b>NAME OF SUBMITTER:</b>	STEVE CHA
<b>SIGNATURE:</b>	/Steve Cha/
<b>DATE SIGNED:</b>	03/31/2016
<b>Total Attachments: 4</b>	

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**Assignment of Invention and Patent Application**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Woon-Geun KWAK of  
#126-1402, Sibeomdanji Samsung Hanshin APT., 53, Junganggongwon-ro, Bundang-gu,  
Seongnam-si, Gyeonggi-do, Republic of Korea
- 2) Jung-Sik PARK of  
#103-901, Raemian Yeongtong Mark-1 1-danji APT., 72, Gwonseon-ro 908beon-gil,  
Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea
- 3) Jae-Ouk CHUNG of  
#101-806, Urim Rumi Art APT., 46, Yangjae-daero 101-gil, Gangdong-gu, Seoul,  
Republic of Korea
- 4) Do-Hun CHA of  
#506-1101, Sinjeongmaeul Seongji APT., 61, Jeongpyeong-ro, Suji-gu, Yongin-si,  
Gyeonggi-do, Republic of Korea
- 5) Kyung-Jung KIM of  
#801-1405, Byeokjeokgol Hanshin APT., 232, Yeongtong-ro, Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of Korea
- 6) Seung-Won OH of  
#102-401, Hyu-Plus APT., 112, Dongjak-daero, Seocho-gu, Seoul, 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 as defined in 35 U.S.C. §1.00, in and to the invention entitled as:


**ELECTRONIC DEVICE**

invented by **Assignor**; the application for United States patent therefor, 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. 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 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: Woon-Geun KWAK**

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

Dated: 2016.03.24

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

**Name of Second Inventor: Jung-Sik PARK**

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

Dated: 2016.03.24

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

**Name of Third Inventor: Jae-Ouk CHUNG**

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

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

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

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. 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 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: Woon-Geun KWAK**

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

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

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

**Name of Second Inventor: Jung-Sik PARK**

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

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

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

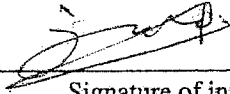
**Name of Third Inventor: Jae-Ouk CHUNG**

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

Dated: 2016.03.24

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

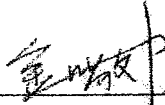
Name of Fourth Inventor: Do-Hun CHA

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

Dated: 2016.03.24

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


Name of Fifth Inventor: Kyung-Jung KIM

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

Dated: 2016.03.24

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

Name of Sixth Inventor: Seung-Won OH

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

Dated: 2016.03.24

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