501980575 07/06/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| Jae Hoon LEE | 06/13/2012 |

RECEIVING PARTY DATA

| Name: | SAMSUNG ELECTRONICS CO., LTD. |
|-----------------|--|
| Street Address: | 129, Samsung-ro, Yeongtong-gu, Suwon-si, |
| City: | Gyeonggi-do |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 443-742 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13543553 |

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| ATTORNEY DOCKET NUMBER: | 075820-0150 |
|-------------------------|-------------|
| NAME OF SUBMITTER: | Hosang Lee |

Total Attachments: 2

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PATENT REEL: 028502 FRAME: 0842 840.00 135435

| RECORDATION FORM COVER SHEET | | | | |
|---|---|--|--|--|
| Docket No.: 075820-0150 PATENTS | ONLY | | | |
| To the Director of the U.S. Patent and Trademark Office: Please r | ecord the attached documents or the new address(es) below. | | | |
| 1. Name of Conveying Party(ies) | 2. Name and address of receiving party(ies) | | | |
| Jae Hoon LEE | Name: SAMSUNG ELECTRONICS CO., LTD. | | | |
| | Internal Address: | | | |
| Additional name(s) of conveying party(ies) attached? Yes No | | | | |
| 3. Nature of Conveyance/Execution Date(s) | Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, | | | |
| | Gyeonggi-do, 443-742, Republic of Korea | | | |
| Execution Date(s): June 13, 2012 | | | | |
| | | | | |
| Security Agreement Change of Name | | | | |
| Joint Research Agreement | | | | |
| Government Interest Assignment | | | | |
| Executive Order 9424, Confirmatory License | | | | |
| 4. Application or patent number(s): | ☐ This document is being filed together with a new application. | | | |
| A. Patent Application No(s). | B. Patent No(s). | | | |
| | | | | |
| | | | | |
| 5. Name and address to whom correspondence concerning | 6. Total number of applications and patents | | | |
| document should be mailed: | involved: | | | |
| Name: MCDERMOTT WILL & EMERY LLP | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 | | | |
| Internal Address: | Authorized to be charged by credit card | | | |
| | Authorized to be charged to deposit account | | | |
| Street Address: 600 13th Street, N.W. | ☐ Enclosed | | | |
| | None required (government interest not affecting title) | | | |
| City: Washington, State: DC Zip: 20005-3096 | | | | |
| D.C. | | | | |
| Phone Number: 202.756.8000 | 8. Payment Information: | | | |
| Fax Number: 202.756.8087 | | | | |
| Email Address: mweipdocket@mwe.com | a. Credit Card Last 4 Numbers | | | |
| | Expiration Date b. Deposit Account Number 500417 | | | |
| | Authorized User Name | | | |
| | | | | |
| 9. Signature. | 7-1/ | | | |
| Hosang Lee 69,333 | July 6, 2012 | | | |
| Name and Registration No. of Person Signing | Signature Date | | | |
| Total number of pages includ | ing cover sheet, attachment and documents: 2 | | | |

PATENT REEL: 028502 FRAME: 0843

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|-----|-------|------|---|
| Doc | /at | NIA | ٠ |
| DON | K C L | INU. | |

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) LEE, Jae Hoon

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

SAMSUNG ELECTRONICS CO., LTD., a Korean Corporation, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, 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

METHOD OF MANUFACTURING POWER DEVICE

- for which an application for United States Letters Patent was filed on [case filing date], and identified by United States Serial No. [case serial number]; or
- (b) for which an application for United States Letters Patent was executed on,

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, 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.

SIGNED on the dates indicated aside our signatures:

LEE, Jae Hoon

DATE SIGNED INVENTORS

Shifte 13/06/2012

PATENT

REEL: 028502 FRAME: 0844 RECORDED: 07/06/2012