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Name and Address of receiving party:

SAMSUNG ELECTRO-MECHANICS CO., LTD.

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Name of conveying parties:				
(1.) Jae Kwang KIM				
(2.) Sang Ho SHIN				
(3.) Byung Kug CHO				
(4.) Hoon Suk HUR				

150, Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea 443-743 3. Nature of conveyance: Assignment Χ Merger Security Agreement Change of Name Other: Execution Date(s): December 2, 2013 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application. ☐ This document is being filed after filing of the application: Patent Application No(s). 14/095,336, filed December 3, 2013; or (a) Patent No(s)., issued. (b) Name and address of party to whom correspondence concerning document should be mailed: Our Docket: 1952.1450 STAAS & HALSEY LLP Attention: David M. Pitcher 1201 New York Ave., N.W., 7th Floor Washington, D.C. 20005 Total number of applications and patents involved: \_\_1 7. Total fee (37 CFR 3.41)......(\$ 40.00 per Patent or Application in Assignment) Enclosed Authorized to be charged to credit card. Authorized to be charged to deposit account. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) David M. Pitcher, Reg. No. 25,908 Name of Person Signing 01 FC:8021 40.00 OP Total number of pages including cover sheet: 3

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Revised 3/13

**PATENT** REEL: 031946 FRAME: 0891

Dočket No.

## U.S. ASSIGNMENT

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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG Electro-Mechanics Co., Ltd. 150, Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of KOREA

Postal code: 443-743

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

ating to International Patent Application PCT// cuted on even date herewith or, if not so executed, was:	and/or for which application for Letters Patent of the United States was
n) executed on:	(Insert date of execution of application, if not concurrent)
b) filed on	Any registered attorney of STAAS & HALSEY I.P., 1201 New York Ave., N.W., Suite 700, Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

	2013 12.02		
KIM, Jae Kwang			

2) SHIN, Sang Ho

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RECORDED: 12/04/2013