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STEWN & TRADEN	To the Director of the U.S. Patent and T	rade



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	To the	F. O.S. DEPARTMENT OF COMMERCE
ADEN	To the	e Director of the U.S. Patent and Trade
1.		Name of conveying party(ies): 1) Joong Sun KIM 2) Sang Gab PARK 3) Kwang Seop YOUM
2.		Name and Address of receiving party(ies):
•		SAMSUNG ELECTRO-MECHANICS CO., LTD. 150, Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea 443-743
3.		Nature of conveyance: X
4.		Application number(s) or patent number(s): This document is being filed together with a new application.
		OR This document is being filed after filing of the application: (a) Patent Application No(s). 14/079,024, filed November 13, 2013; or (b) Patent No(s)., issued.
5.		Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1952.1435 Attention: David M. Pitcher 1201 New York Ave., N.W., 7th Floor Washington, D.C. 20005
6.		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.
8.		Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
		M. Pitcher, Reg. No. 25,908 of Person Signing Total number of pages including cover sheet: 3
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PATENT REEL: 031709 FRAME: 0738

Docket No.

U.S. ASSIGNMENT

S&H 7/03

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, Macycong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do

PARK, Sang Gab

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)

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relating to International Patent Application PCT, executed on even date herewith or, if not so executed the control of the con	//	and/or for which app	lication for Lett	ers Patent (of the United St	ates was
(a) executed on	;	(Insert date of execution of application, if not concurrent)				
(b) filed on/		Any registered attorney of STAAS & HALSEY LLP, 1201 New York Ave. N.W., Suite 700, Washington, D.C. 20005 (2021434-1500) is hereby authorized to insert in (b) the specified data, when known.				
and to said application and all Letters Patent(s) of reissue or reexamination application based there any extensions thereof (collectively, hereinafter, The ASSIGNOR agree(s), when requested by which the ASSIGNEE may deem necessary, des including in the preparation and prosecution of seexamination, or public use proceeding, and in a facts to include but not be limited to executing all sworn testimony, and obtaining and producing e	on, for the full term "said application(s said ASSIGNEE a irable or expedient aid application(s) a any litigation or oth papers, including	n or terms for which to and Letters Patent(s) and without charge to , for securing, mainta and the issuance of sa her legal proceeding v	he said Letters I s)"). but at the experining and enforced id Letters Paten which may arise	Patent(s) management of said cing protect t(s), in any or be decla	ASSIGNEE, to tion for said inv interference, re tred in relation t	do all acts ention, issue, o same, suc
IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	nventor(s) has (hav	ve) affixed his/her/the		Date)		
1) Max KIM, Joong Sun	<u>-</u>)ct	28 ,	2013	-
2) ##			Oct. 2	8. 20	1/3	

PATENT REEL: 031709 FRAME: 0739 3) Oct. 28.20/3

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