503201601 03/03/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IN SHIK KIM	02/23/2015
SEONG HUN AHN	02/23/2015
YANG JIC LEE	02/23/2015

RECEIVING PARTY DATA

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City:	SUWON-SI, GYEONGGI-DO	
State/Country:	KOREA, REPUBLIC OF	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14636312

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ATTORNEY DOCKET NUMBER: 2494.1141

NAME OF SUBMITTER: GREGORY W. HARPER

SIGNATURE: /Gregory W. Harper/

DATE SIGNED: 03/03/2015

Total Attachments: 1

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PATENT REEL: 035072 FRAME: 0921

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U.S. ASSIGNMENT

KOH KIR

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinatter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea

(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)

CLEANING MEMBER AT	ND CLEANER HA	VING THE SAME
relating to international Patent App was executed on even date herew	olication PCT// with or, if not so executed,	and/or for which application for Letters Patent of the United State was:
(a) executed on ;		(Insert date of execution of application, if not concurrent)
(b) filed on , To be assigned	لوؤنا بفطرار الواد	Any registered attorney or palent agent of STAAS & HALSEY LUP,
Serial No. To be assigned;		1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.
	Ī	

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, 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 which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosocution 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 (Typed Name & Signature of Inventor(s))	Inventor(s) has (have) affixed his/her/lheir signature(s). (Date) (Typed Name & Signature of Witness(e	s);
1)	In Shik KIM	Fleb. =>, 20/5	******
2)	Seong Hun AHN	Feb 23. 2015	
3)	Yand-dict EF	February 2015	***************************************

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RECORDED: 03/03/2015

PATENT REEL: 035072 FRAME: 0922