PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4383101

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAE HYOUNG PARK	04/12/2017
JEONG WON LEE	04/12/2017
KYONG TAE PARK	04/12/2017
HYEON JI NAM	04/20/2017

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15496273

CORRESPONDENCE DATA

Fax Number: (703)816-4100

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-816-4000

Email: ptomail@nixonvan.com

Correspondent Name: NIXON & VANDERHYE PC / SAMSUNG

Address Line 1: 901 N. GLEBE RD., 11TH FLOOR
Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	USG-6355-28
NAME OF SUBMITTER:	UPDEEP S. GILL
SIGNATURE:	/Updeep S. Gill/
DATE SIGNED:	04/25/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 042135 FRAME: 0815

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> PATENT REEL: 042135 FRAME: 0816

Doc code. Oath

Document Description: Oath or declaration filed

Altorney Docket Number	USG-6355-28
First Named Inventor	PARK

First Named Inventor PARK			
INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT			
APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)			
Declaration Submitted With Initial Filing			
OR CONTRACTOR OF THE CONTRACTO			
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)			
METHOD AND ELECTRONIC DEVICE FOR VERIFYING LIGHT SOURCE OF IMAGES			
(Title of the invention)			
As a below named inventor, I hereby declare that:			
This declaration is directed to:			
The attached application,			
OR CONTRACTOR OF THE CONTRACTO			
United States Application Number or PCT International application number			
The above-identified application was made or authorized to be made by me.			
Obsigive Lam the progreat inventor or an original joint inventor of a claimed invention in the application			
Thereby acknowledge that any willful false statement made in this declaration is punishable under 16 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
WHEREAS, the undersigned (herematies ASSIGNOR), has made an invention in the Application identified above.			
WHEREAS Samsung Electronics Co., Ltd. (heremaker ASSIGNEE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, is desirous of acquiring an interest therein.			
NOW. THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives. ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the affiresaid application, and to the said application and to all substitutions deseed thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patients, together with the right of printly under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patients, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patients and Trademarks to ipsics said Letters Patient to ASSIGNEE, for its interest as ASSIGNEE, its successors assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhys P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;			
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention.			
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and			
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of the mereto in ASSIGNEE.			
AGREED and executed as noted below:			
LEGAL NAME OF SOLE OR FIRST INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Jae Hyoung PARK			
Inventor's Signature. Date: 1			

[3] Additional infentidis are being named on the 1 supplemental sheet(s) PTC/AIA/10 attached heralo

Note: PTO Rolles state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56

(Page 1 of 2)

SUPPLEMENTAL SHEET FOR DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet (for PTO/AIA//08/09)

(Page 2 of 2)

Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Jeong Won	LEE
Inventor's Signature: Loe Jeong Won	Pale: (2, 2017)
Legal Name of Additional Joint Inventor, if any:	, , , , , , , , , , , , , , , , , , ,
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Kyong Tae	PARK
Inventor's Signature: LAU	0ate: 1000/1. 12 , ~21/1
Legal Name of Additional Joint Inventor, if any:	•
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Hyeon Ji	NAM
Inventor's Signature:	Date:

PATENT REEL: 042135 FRAME: 0818 Doc code: Oath

Document Description: Oath or declaration filed

Attorney Docket Number	USG-6355-28
First Named Inventor	PARK

INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT		
APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
Declaration Submitted With Initial Filing		
OR		
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)		
METHOD AND ELECTRONIC DEVICE FOR VERIFYING LIGHT SOURCE OF IMAGES		
(Title of the Invention)		
As a below named inventor, I hereby declare that:		
This declaration is directed to:		
The attached application,		
OR CONTRACTOR CONTRACT		
United States Application Number or PCT International application number filed on		
The above-identified application was made or authorized to be made by me.		
believe I am the original inventor or an original joint inventor of a claimed invention in the application.		
l hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above.		
WHEREAS, Samsung Electronics Co., Ltd. (hereinafter ASSIGNEE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, is desirous of acquiring an interest therein:		
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;		
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;		
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and		
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.		
AGREED and executed as noted below:		
LEGAL NAME OF SOLE OR FIRST INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame)		
Jae Hyoung PARK		
nventor's Signature: Date:		

[3] Additional inventors are being named on the 1 supplemental sheet(s) PTO/AIA/10 attached hereto

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] §1.56

(Page 1 of 2)

SUPPLEMENTAL	SHEET FOR	DECLA	KRATION
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ADDITIONAL INVENTOR(S)

Supplemental Sheet (for PTO/AlA//08/09)

(Page 2 of 2)

Legal Name of Additional Joint Inventor, if any:		
(E.g., Given Name (first and middle (flany)) and Family Name or Sumame)		
Jeong Won	LEE	
Inventor's Signature:	Oats:	
Legal Name of Additional Joint Inventor, if any:		
(E.g., Given Name (first end middle (if eny)) and Family Name or Sumame)		
Ryong Tae	PARK	
inventor's Signature:	Sete:	
Legal Name of Additional Joint Inventor, if any:		
(E.g., Given Name (liret and middle (if any)) and Family Name or Sumame)		
Hyson Ji	MAM	
inventor's Signature ///www.	Oate: April: 20.2017	

PATENT REEL: 042135 FRAME: 0820

RECORDED: 04/25/2017