504037464 10/05/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIHAN KIM	09/29/2016
JIYOUNG AHN	09/29/2016
MOONSUN LEE	09/29/2016
JAE-HYUN KIM	09/29/2016
SUNYOUNG PARK	09/29/2016
SEOKWON JI	09/29/2016

RECEIVING PARTY DATA

Name:	LG DISPLAY CO., LTD.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15282566		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	5706-0383PUS1
NAME OF SUBMITTER:	JODY A. MAZZARESE
SIGNATURE:	/JODY A. MAZZARESE/
DATE SIGNED:	10/05/2016

Total Attachments: 3

PATENT REEL: 039946 FRAME: 0423

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> PATENT REEL: 039946 FRAME: 0424

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

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IGHT CONTROL DEVICE, TRANSPARENT DISPLAY DEVICE INCLUDING THE SAME, AND METHOD OF MANUFACTURING THE SAME

As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:

This declaration is directed to the application attached hereto.

Application not
Attached

if the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

Enter Application Number or PCT International Application No. 15/282,566

Enter Filing Date of filed on September 30, 2016

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

insert Name of Assignee

* WHEREAS, LG DISPLAY CO., LTD.

Insert Address of Assignee

🕆 of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

Check Box if Appropriate

in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

BSKB-OPC ASSIGN/09-12:

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges 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.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Į.	LEGAL NAME OF INVENTOR			s	
Inventor's Name 🧢 Ir	nventor	Kihan KIM		Date:	9,29,20/6
Inventor's Signature ≪ Si	ignature:	kihan	kim		
An application data Use a separate form	n sheet (PT) n for each ii	O/SB/14 or equiva	alent), including naming the entire inven he box below and complete the attached	tive entity, page(s) to	must accompany this form. list additional inventors.

Additional inventors are being named on the 1 supplemental sheet(s) attached hereto.

BSKB-DECASSIGN-SINGLE (09-12)

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name - 🗢 Inventor: Date: 2016, 9, 29 JiYoung AHN Inventor's Signature Signature, Troung AHN LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor: Moonsun LEE township (Suprature - Signature - Moran Sun Lee LEGAL NAME OF JOINT INVENTOR, IF ANY Date: 20(6. 9.29 inventor's Name o inventor: Jae-Hyun KIM incomes Signature Jase - Hepart KIM LEGAL NAME OF JOINT INVENTOR, IF ANY Date: 2016. 09. 29 Inventor's Mame Sunyoung PARK 43 Inventor: Inventor's Signature: Scarry Ocarts, PARK LEGAL NAME OF JOINT INVENTOR, IF ANY Date: 2016 29 25 3 Inventor's Name ⇒loventor: Seokwon JI ⇒Signature: <u>Seatwice Ji</u> LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Date: _____ ≈Inventor: Inventor's Signature ⇒Signature; LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Date: *Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Date: Inventor's Name Invenior's Signature *Signature:

BSKB-DECASSIGN\(09-12)

PATENT REEL: 039946 FRAME: 0427