504276374 03/16/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4323056

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG-SUN KWAK	08/27/2013
KYUNG WON KANG	08/27/2013
JI HYUN KIM	08/27/2013
HYEON-DO PARK	08/27/2013
WON JIN SEO	08/27/2013
JUN-HO HWANG	08/27/2013

RECEIVING PARTY DATA

Name:	SAMSUNG DISPLAY CO., LTD.
Street Address:	1, SAMSUNG-RO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14281388

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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: 949-760-0404 Email: efiling@knobbe.com

KNOBBE MARTENS OLSON & BEAR LLP **Correspondent Name:**

Address Line 1: 2040 MAIN STREET

Address Line 2: 14TH FLOOR

IRVINE, CALIFORNIA 92614 Address Line 4:

ATTORNEY DOCKET NUMBER:	SDCYOQ.315AUS
NAME OF SUBMITTER:	HEUNGSOO CHOI
SIGNATURE:	/Heungsoo Choi/
DATE SIGNED:	03/16/2017

Total Attachments: 2

504276374

PATENT REEL: 041601 FRAME: 0961 source=2014-05-19 Combined Declaration and Assignment - SDCYOQ.315AUS#page1.tif source=2014-05-19 Combined Declaration and Assignment - SDCYOQ.315AUS#page2.tif

PATENT REEL: 041601 FRAME: 0962

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SDCYOQ.315AUS

Page 1 of 2

Title: DEVICE AND METHOD OF MODIFYING IMAGE SIGNAL

Inventor(s): Young-Sun Kwak, Kyung Won Kang, Ji Hyun Kim, Hyeon-Do Park, Won Jin Seo,

Jun-Ho Hwang

Declaration

This Declaration is directed to the invention identified above that:

Is attached, where "attached" means filed concurrently with.

As a named inventor, I declare that:

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 in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified specification and acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

Assignment from Inventor(s)

WHEREAS, above-identified inventor(s) (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, Samsung Display Co., Ltd., with its principal place of business at 95, Samsung 2 Ro, Giheung-gu, Yongin-city, Gyeonggi-do, Korea (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest in the Application, including all patent properties filed or issued upon the Application; where "Patent Properties" include, but are not limited to:

all provisional applications to which the Application claims priority:

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof;

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests the Commissioner of Patents of the United States to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may

곽영선/12413177/TV구동개발그룹(LCD)/129294166/20130827092839

22881377563069

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SDCYOQ.315AUS

Page 2 of 2

Title: DEVICE AND METHOD OF MODIFYING IMAGE SIGNAL

Inventor(s): Young-Sun Kwak, Kyung Won Kang, Ji Hyun Kim, Hyeon-Do Park, Won Jin Seo,

Jun-Ho Hwang

accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application, and the Work or any improvements made thereto, sign/execute all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patent Properties.

Legal Name of inventor 1: Young-Sun Kwak	
Signature:	Date: _August 27, 2013
Legal Name of inventor 2: Kyung Won Kang	
Signature: 14 Ma Gr	Date: August 27, 2013
Legal Name of inventor 3: Ji Hyun Kim	
Signature: M. Man	Date: August 27, 2013
Legal Name of inventor 4: Hyeon-Do Park	
Signature: 34 3 5.	Date: August 27, 2013
Legal Name of inventor 5: Won Jin Seo	
Signature:	Date: August 27, 2013
Legal Name of inventor 5: Jun-Ho Hwang	
Signature:	Date: August 27, 2013
15879885: 072513	

곽영선/12413177/TV구동개발그룹(LCD)/129294166/20130827092839

RECORDED: 03/16/2017

122881377563069