PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4112434

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL HACK	08/29/2016
MICHAEL STUART WEAVER	08/29/2016
JULIA J. BROWN	08/26/2016
WOO-YOUNG SO	08/26/2016
CANDICE H. BROWN ELLIOTT	08/26/2016

RECEIVING PARTY DATA

Name:	UNIVERSAL DISPLAY CORPORATION
Street Address:	375 Phillips Blvd.
City:	Ewing
State/Country:	NEW JERSEY
Postal Code:	08618

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14605748

CORRESPONDENCE DATA

Fax Number: (202)787-5520

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: (202) 787-5525

Email:laura@morriskamlay.comCorrespondent Name:MORRIS & KAMLAY LLP

Address Line 1: 1150 18TH ST NW

Address Line 2: SUITE 575

Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	UDC-991AAA-US
NAME OF SUBMITTER:	LAURA R. DREMBUS
SIGNATURE:	/Laura R. Drembus/
DATE SIGNED:	10/25/2016

Total Attachments: 4

PATENT REEL: 040120 FRAME: 0622 source=UDC-991AAA-US_Assignment#page1.tif source=UDC-991AAA-US_Assignment#page2.tif source=UDC-991AAA-US_Assignment#page3.tif source=UDC-991AAA-US_Assignment#page4.tif

> PATENT REEL: 040120 FRAME: 0623

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, each of the following:

Michael HACK, a resident of Princeton, NJ, US; Michael Stuart WEAVER, a resident of Princeton, NJ, US; Julia J, BROWN, a resident of Yardley, PA, US; Woo-Young SO, a resident of Richboro, PA, US; Candice H. BROWN ELLIOTT, a resident of Sebastopol, CA, US;

hereinafter referred to as "Assignor," is an inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

> Title of Invention: HIGH RESOLUTION LOW POWER CONSUMPTION

OLED DISPLAY WITH EXTENDED LIFETIME

Filing Date: January 26, 2015

Application No.: 14/605,748 c and

WHEREAS, Universal Display Corporation, a corporation located at 375 Phillips Blvd., Ewing, NJ 88618, US, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by each Assignor. each Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, including any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by each and all Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Each Assignor further agrees that he/she will, without charge to each Assignor, and at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to yest title thereto in Assignee, or Assignee's successors and assigns.

Each Assignor hereby authorizes and requests Morris & Kamlay LLP, 1150 18th St NW, Suite 575. Washington, DC 20036, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Each Assignor has signed on the date indicated.

Dated: 8 / 29 / / 6	<u> Un Rosel Honel</u>
, ,	Michael HACK
Dated:	
	Michael Stuart WEAVER

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, each of the following:

Michael HACK, a resident of Princeton, NJ, US; Michael Stuart WEAVER, a resident of Princeton, NJ, US; Julia J. BROWN, a resident of Yardley, PA, US; Woo-Young SO, a resident of Richboro, PA, US; Candice H. BROWN ELLIOTT, a resident of Sebastopol, CA, US;

hereinafter referred to as "Assignor," is an inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

HIGH RESOLUTION LOW POWER CONSUMPTION

OLED DISPLAY WITH EXTENDED LIFETIME

Filing Date:

January 26, 2015

Application No.: 14/605,748

; and

WHEREAS, Universal Display Corporation, a corporation located at 375 Phillips Blvd., Ewing, NJ 08618, US, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by each Assignor, each Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, including any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by each and all Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Each Assignor further agrees that he/she will, without charge to each Assignor, and at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Each Assignor hereby authorizes and requests Morris & Kamlay LLP, 1150 18th St NW, Suite 575, Washington, DC 20036, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Each Assignor has signed on the date indicated.

Dated:	••••	
		Michael HACK
Dated:	8/29/16	/\/~
	\	Michael Strong MEANED

Michael Stuart WEAVER

Dated: _ \$ \ 16 \ 2016	Julia J. BROWN
Dated: 08/26/2016	Woo-Young SO
Dated:	

Candice H. BROWN ELLIOTT

Dated:	
	Julia J. BROWN
Dated:	
	Woo-Young SO
~/ / x	2014 A - 11
Dated; 8/26/2016	Calif D-HUGT
	Candice H. BROWN ELLIOTT

Page 2 of 2

RECORDED: 10/25/2016

PATENT REEL: 040120 FRAME: 0627