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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5624336

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL HACK	07/07/2019
MICHAEL STUART WEAVER	07/03/2019
NICHOLAS J. THOMPSON	07/08/2019
JULIA J. BROWN	07/14/2019

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:	16515171

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: docket@morriskamlay.com **Correspondent Name:** MORRIS & KAMLAY LLP 1911 FORT MYER DRIVE Address Line 1:

Address Line 2: **SUITE 1050**

Address Line 4: ARLINGTON, VIRGINIA 22209

ATTORNEY DOCKET NUMBER: UDC-1362-US	
NAME OF SUBMITTER:	LAURA R. DREMBUS
SIGNATURE:	/Laura R. Drembus/
DATE SIGNED:	07/18/2019

Total Attachments: 3

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> **PATENT REEL: 049788 FRAME: 0180** 505577537

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PATENT REEL: 049788 FRAME: 0181

Docket No.: UDC-1362-US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Michael HACK of 375 Phillips Blvd., Ewing, NJ 08618, Michael Stuart
WEAVER of 375 Phillips Blvd., Ewing, NJ 08618, Nicholas J. THOMPSON of 375 Phillips Blvd., Ewing, NJ
08618, and Julia J. BROWN of 375 Phillips Blvd., Ewing, NJ 08618, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

ENERGY EFFICIENT OLED TV

Filing Date:

July 18, 2019

Application No.: 16/515,171; and

WHEREAS, UNIVERSAL DISPLAY CORPORATION located at 375 Phillips Blvd., Ewing, NJ 08618, 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 Assignors, Assignors have assigned, and by these presents do 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 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.

Assignors further agree that they will, without charge to Assignors, but 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.

Assignors hereby authorize and request Morris & Kamlay LLP, 1911 Fort Myer Drive, Suite 1050, Arlington, VA 22209, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed on the date indicated.

Dated: _			
		Michael HACK	
Dated: _	7/3/19	1710 <u>-</u>	

Michael Stuart WEAVER

Attorney Docket No.: UDC-1362-US Page 2

Dated: 7/8/2019

Nicholas J. THOMPSON

Dated: 7/19/2019

Julia J. BROWN

Docket No.: UDC-1362-US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Michael HACK of 375 Phillips Blvd., Ewing, NJ 08618, Michael Stuart WEAVER of 375 Phillips Blvd., Ewing, NJ 08618, Nichalas J. THOMPSON of 375 Phillips Blvd., Ewing, NJ 08618, and Julia J. BROWN of 375 Phillips Blvd., Ewing, NJ 08618, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

ENERGY EFFICIENT OLED TV

Filing Date:

July 18, 2019

Application No.: 16/515,171; and

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For good and valuable consideration, receipt of which is hereby acknowledged by Assignors. Assignors have assigned, and by these presents do assign to Assignee all right, ritle 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 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.

Assignors further agree that they will, without charge to Assignors, but 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.

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IN TESTIMONY WHEREOF, Assignors have signed on the date indicated.

Dated: 7 7 19	hulad Hack
,	Michael HACK
Dated:	
	Michael Stuart WEAVER

PATENT REEL: 049788 FRAME: 0184

RECORDED: 07/18/2019