

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5501801

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WILLIAM E. QUINN	04/24/2019
GREGORY MCGRAW	04/25/2019
GREGG KOTTAS	04/24/2019
XIN XU	04/24/2019
JULIA J. BROWN	04/30/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSAL DISPLAY CORPORATION
<b>Street Address:</b>	375 Phillips Blvd.
<b>City:</b>	Ewing
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08618
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16400218
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	UDC-1346-US
<b>NAME OF SUBMITTER:</b>	LAURA R. DREMBUS
<b>SIGNATURE:</b>	/Laura R. Drembus/
<b>DATE SIGNED:</b>	05/01/2019
<b>Total Attachments: 2</b>	

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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, William E. QUINN of 375 Phillips Blvd., Ewing, NJ 08618, Gregory MCGRAW of 375 Phillips Blvd., Ewing, NJ 08618, Gregg KOTTAS of 375 Phillips Blvd., Ewing, NJ 08618, Xin XU 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: ORGANIC VAPOR JET PRINT HEAD WITH REDUNDANT GROUPS OF DEPOSITORS

Filing Date: May 1, 2019

Application No.: 16/400,218 ; 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.

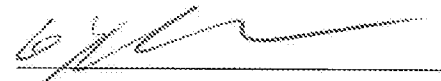
IN TESTIMONY WHEREOF, Assignors have signed on the date indicated.

Dated: 4-24-19



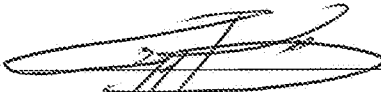
William E. QUINN

Dated: 4-25-19

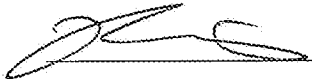


Gregory MCGRAW


Dated: 4/21/2019

  
Gregg KOTTAS

Dated: 4/24/2019

  
Xin XU

Dated: 4/30/2019

  
Julia J. BROWN