

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL HACK	08/12/2016
RUIQING MA	08/12/2016
<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>
<b>Application Number:</b>	15235609
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<b>ATTORNEY DOCKET NUMBER:</b>	UDC-1153US
<b>NAME OF SUBMITTER:</b>	LAURA R. DREMBUS
<b>SIGNATURE:</b>	/Laura R. Drembus/
<b>DATE SIGNED:</b>	08/18/2016
<b>Total Attachments: 2</b>	
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source=UDC-1153_Assignment#page2.tif	

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, each of the following:

**Michael Hack**, a resident of Princeton, NJ, US; **Ruiqing Ma**, a resident of Morristown, NJ, 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: **Integrated circular polarizer and permeation barrier for flexible OLEDs**

Filing Date: **August 12, 2016**

Application No.: **15/235,609**; 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 18<sup>th</sup> 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: 8/12/2016

Michael Hack

**Michael Hack**

Dated: \_\_\_\_\_

\_\_\_\_\_

**Ruiqing Ma**

# **ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, each of the following:

**Michael Hack**, a resident of **Princeton, NJ, US**; **Ruiqing Ma**, a resident of **Morristown, NJ, 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: **Integrated circular polarizer and permeation barrier for flexible OLEDs**

Filing Date: August 12, 2016

Application No.: 15/235,609; 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 18<sup>th</sup> 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: 8-12-2016

**Ruiqing Ma**