PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5760736

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:	03/11/2018	

CONVEYING PARTY DATA

Name	Execution Date
JUI-YI TSAI	02/26/2019
ALEXEY BORISOVICH DYATKIN	02/26/2019
ZHIQIANG JI	02/26/2019
WALTER YEAGER	02/26/2019
PIERRE-LUC T. BOUDREAULT	02/26/2019

RECEIVING PARTY DATA

Name:	UNIVERSAL DISPLAY CORPORATION	
Street Address:	375 PHILLIPS BOULEVARD	
City:	EWING	
State/Country:	NEW JERSEY	
Postal Code:	08618	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16594384

CORRESPONDENCE DATA

Fax Number: (215)979-1020

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NAME OF SUBMITTER:	WON JOON KOUH, USPTO REG. # 42763	
SIGNATURE:	/Won Joon Kouh/	
DATE SIGNED: 10/09/2019		
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Total Attachments: 4

PATENT REEL: 050661 FRAME: 0931

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PATENT REEL: 050661 FRAME: 0932

<u>ASSIGNMENT</u>

WHEREAS, We, Jui-Yi TSAI, Alexey Borisovich DYATKIN, Zhiqiang JI, Walter YEAGER, and Pierre-Luc T. BOUDREAULT, (hereinafter referred to as ASSIGNORS) have invented certain inventions or improvements relating to ORGANIC ELECTROLUMINESCENT MATERIALS AND DEVICES, for which a United States patent application, bearing U.S. Utility Application No. 16/283,219, filed February 22, 2019, is a continuation-in-part of U.S. Utility Application No. 16/235,390, filed Dec. 28, 2018, which is a non-provisional of U.S. Provisional Application No. 62/643,472, filed March 15, 2018, and this application claims priority under 35 U.S.C. § 119(e) to United States Provisional Application No. 62/641,644, filed March 12, 2018, and U.S. Provisional Application No. 62/673,178, filed May 18, 2018, was filed.

WHEREAS, Universal Display Corporation, a corporation having a place of business at 375 Phillips Boulevard, Ewing, NJ 08618 (hereinafter referred to as ASSIGNEE) is desirous of acquiring the entire right, title and interest in, to and under said inventions or improvements, said application and any and all patents to be obtained therefor or granted as a result thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE of valuable consideration to ASSIGNORS, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE and the successors, assigns and legal representatives of the ASSIGNEE all of ASSIGNORS' rights, title and interest in, to, and under said inventions or improvements and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and all of ASSIGNORS' rights, title and interest in, to, and under any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries, and in, to, and under any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions, renewals, and reexaminations thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties.

ASSIGNORS request that any and all patents for said inventions or improvements be issued to said ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

ASSIGNORS authorize and empower the said ASSIGNEE, its successors, assigns and legal representatives to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from ASSIGNORS.

PATENT REEL: 050661 FRAME: 0933 ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said ASSIGNEE, its successors, assigns, and legal representatives, to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

ASSIGNORS agree that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said ASSIGNEE, its successors, assigns and legal representatives, the ASSIGNORS will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions, renewals, and reexamination thereof and any legal equivalent thereof in a foreign country, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings and any legal equivalent thereof in a foreign country; communicate to said ASSIGNEE, its successors, assigns, and legal representatives, all facts known to the ASSIGNORS relating to said inventions and the history thereof; and generally do everything possible which said ASSIGNEE, its successors, assigns or legal representatives, shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents on said inventions in said ASSIGNEE, its successors, assigns and legal representatives.

For all legal purposes, this assignment shall be effective nunc pro tunc as of March 11, 2018.

ASSIGNORS covenant with said ASSIGNEE, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that ASSIGNORS have full right to convey the same as herein expressed.

Signed at	······································
Am.	2/20/9
Júi-Yi TSAI	(Date)
	02/26/19
Alexey Borisovich DYATKIN	(Date)
70/2	2/26119
Zhiqiang JI	(Date)
6 MM	2/21/2019
Walter VEAGER	(Date)
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PATENT REEL: 050661 FRAME: 0934 Pierre-Luc T. BOUDREAULT

(Date)

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RECORDED: 10/09/2019