506373122 11/25/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6419878

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT W. WALTERS	12/12/2018
CHIEN-YANG CHIU	12/13/2018
ANU CHOPRA	12/12/2018
DARRIN R. DABIDEEN	12/12/2018
SUJIT MONDAL	12/14/2018
NICHOLAS J. PARISE	12/13/2018
WENJING XIAO	12/12/2018

RECEIVING PARTY DATA

Name:	TRANSITIONS OPTICAL, LTD.
Street Address:	IDA INDUSTRIAL ESTATE, DUNMORE ROAD, COUNTY GALWAY
City:	TUAM
State/Country:	IRELAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17058888

CORRESPONDENCE DATA

Fax Number: (412)471-4094

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: 4124718815

Email: assignments@webblaw.com THE WEBB LAW FIRM Correspondent Name:

Address Line 1: 1 GATEWAY CENTER 420 FT. DUQUESNE BLVD. SUITE 1200

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER: 7946-2006752 NAME OF SUBMITTER: LESTER N. FORTNEY, REG NO.: 38,141 SIGNATURE: /Lester N. Fortney/ **DATE SIGNED:** 11/25/2020

Total Attachments: 9

PATENT REEL: 054469 FRAME: 0535

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PATENT REEL: 054469 FRAME: 0536

Application No	PCT/EP2018/063893
Attorney I	ocket No. 7946-1704806

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

PHOTOCHROMIC INDENO-FUSED NAPHTHOPYRAN COMPOUNDS WITH REDUCED TEMPERATURE DEPENDENCE (Invention Title) for which a United States Provisional Patent application was filed on (mm/dd/yyyy) and bears Application Number (hereinafter "said application"). AND/OR for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR for which an application for a United States Patent was filed on (mm/dd/yyyy) and bears Application Number (hereinafter "said application"). AND/OR To which an international patent application was filed under the Patent Cooperation Treaty on 05/28/2018 (mm/dd/yyyy), bearing Application No. PCT/EP2018/063893 (hereinafter "said application"). AND, WHEREAS, TRANSITIONS OPTICAL LTD, a limited liability company

AND, WHEREAS, TRANSITIONS OPTICAL, LTD., a limited liability company of Ireland, having a place of business at IDA Industrial Estate, Dunmore Road, Tuam, County Galway, Ireland, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisionals, non-provisionals, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me,

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Application No.	PCT/EP2018/063893
Attorney Do	sket No. 7946-1704806

testify in any legal proceedings, sign all lawful papers, execute all divisional, non-provisional reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:	RESIDENCE:
Robert W. Walters	Murrysville, PA
EXECUTED this 12 th day of December	,2018 for Willows
	Signature

WITNESS:

Name:

X Checked Box indicates __7_ additional pages.

	Application No. PCT/EP2018/063893
	Attorney Docket No. <u>7946-1704806</u>
2. FULL NAME OF ASSIGNOR: Chien-Yang Chiu	RESIDENCE: Export, PA
EXECUTED this 13th day of December	, 2018
WITNESS: Same:	

	Application No. <u>PCT/EP2018/06</u> Attorney Docket No. <u>7946-1</u>	
3. FULL NAME OF ASSIGNOR: Anu Chopra	RESIDENCE: Pittsburgh, PA	
EXECUTED this 2 day of Decemb	ber, 2018 Ann Chapra	
	Signature	

Name:

	Application No	PCT/EP2018/063893
	Attorney D	ocket No. <u>7946-1704806</u>
4. FULL NAME OF ASSIGNOR: Darrin R. Dabideen	RESIDENCE: Pittsburgh,	, PA
EXECUTED this 12 day of December	, 2018 	SIGNATURE
WITNESS: Caren)		
Name:		

	Application No.	PCT/EP2018/063893
	Attorney Doc	ket No. 7946-1704806
5. FULL NAME OF ASSIGNOR: Sujit Mondal	RESIDENCE: Gibsonia, P.	<u> </u>
EXECUTED this 14 day of Decoude	×,2018	O MONDAN GNATURE
WITNESS: July Land		
Name:		

Application No.	PCT/EP2018/063893
Attorney De	cket No. 7946-1704806

NOR: RESIDENCE:

Nicholas J. Parise

Pittsburgh, PA

EXECUTED this 13 day of December , 2018

SIGNATURE

WITNESS:

Name:

	Application No	PCT/EP2018/063893
	Attorney De	ocket No. <u>7946-1704806</u>
7. FULL NAME OF ASSIGNOR: Wenjing Xiao	RESIDENCE: Murrys	ville, PA
EXECUTED this 122 hday of Deam	obex, 2018	SIGNATURE

Page 8 of 9

Name:

Application No.	PCT/F	EP2018/063893
Attorney Dock	er No	7946-1704806

Acknowledgement of this Assignment is made by/on behalf of the Assignee:

NAME OF ASSIGNEE:

PLACE OF BUSINESS

TRANSITIONS OPTICAL, LTD.

Tuam, freland

EXECUTED this Way of DECEMBER, 2018

SIGNATURE

Name: Row

24TaMil" LAMI

Title:

GUANCE D'RECTOR

WITNESS:

Name: CAROL BURKE

THE SANTEND SLANTENANT

Page 9 of 9

PATENT REEL: 054469 FRAME: 0545