507119050 02/08/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SIVA KRISHNA MOHAN NALLURI	01/25/2019
JAMES FRASER STODDART	01/28/2019

RECEIVING PARTY DATA

Name:	NORTHWESTERN UNIVERSITY	
Street Address:	633 CLARK STREET	
City:	EVANSTON	
State/Country:	ILLINOIS	
Postal Code:	60208	
Name:	KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY (KACST)	
Name: Street Address:	KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY (KACST) P.O. BOX 6086	
	, ,	
Street Address:	P.O. BOX 6086	

PROPERTY NUMBERS Total: 1

Property Type	Number	
PCT Number:	US2019014415	

CORRESPONDENCE DATA

Fax Number:

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.

Email: timothy.storniolo@quarles.com, pat-dept@quarles.com

Correspondent Name: QUARLES & BRADY LLP Address Line 1: 33 EAST MAIN STREET

Address Line 2: SUITE 900

Address Line 4: MADISON, WISCONSIN 53703

ATTORNEY DOCKET NUMBER:	702581.01795
NAME OF SUBMITTER:	TIMOTHY STORNIOLO
SIGNATURE:	/Timothy Storniolo/
DATE SIGNED:	02/08/2022

PATENT REEL: 059047 FRAME: 0428

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Total Attachments: 5

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PATENT REEL: 059047 FRAME: 0429

Attorney Docket No. 5369-00591 NU Reference No. 2018-002-02

ASSIGNMENT

Application Serial No. PCT/US2019/014415

Filing Date: 1/21/2019

Inventors: Siva Krishna Mohan Nalluri, James Fraser Stoddart

Title of Patent Application: RIGID CHIRAL PHOTOLUMINESCENT ISOSCELES TRIANGULAR

MATERIALS

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned hereby assigns to Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208 and its successors and assigns; and King Abdulazia City for Science and Technology (KACST), an Independent Government Scientific and Research Organization, having a place of business at P.O. Box 6086 Riyadh 11442, Kingdom of Sandi Arable, and its successor and assigns (hereinafter referred to collectively, as the "Assignee") the entire right, title and interest in and to the inventions of such undersigned disclosed in the application listed above, and in any and all other applications anywhere in the world which the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, in any and all patents which may be obtained on any of said applications and in any and all releases, reasoninations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection cartificates and/or extensions thereof, including without limitation, the right to bring suit and to claim and retain all damages and/or seek other remedies for the past, present and future infringement of anylof the foregoing. the right of priority, including without limitation to claim priority benefit of or to said patent applications, and request the Commissioner for Petents in the United States and similar authorities outside the United States to issue said patents to and in the name of the Assignee.

Each of the undersigned states that the application listed above is or was made or anthorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or a joint inventor with another undersigned of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in fivor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, titles and interests havein assigned and has the right to make this unconditional and interests havein assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, titles and interests havein assigned.

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MATERIALS

Lindensianed (ASSIGNORS):

June 1 Series Francis Stodden DATE

State of <u>TLLIANIS</u>

County of Orac

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Atturney Docket No. 5369-00591 NU Reference No. 2018-002-02

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hareby agrees to execute any and all applications on said inventions, including without limitation for the reissue, reasonination, supplementary protection certificate or extension thereof and any onth, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with and perform any and all affirmative acts requested by Assignee to propere, file, prosecute, maintain, defined, enforce and vest in Assignee the rights, titles and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, titles and interests will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

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MATERIALS

Undersigned (ASSIGNORS) continued:

N.S.K.Mohazz	01/25/2019
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Inventor Name: Siva Krishna Mohan Nalluri DATE

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OFFICIAL SEAL

[NAME LEVINE BETLEV-SEAMON

NOTARY PUBLIC - STATE OF ILLINOIS

MY COMMISSION EXPRESSION/27/22

My Commission Expires: 1-21-20

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ASSIGNEE ACCEPTANCE

On behalf of Assignee, the authorized signatories below, hereby confirm Assignee's acceptance of all rights, privileges, titles and interests conveyed by this Assignment.

Northwestern University

	1. By B.	
Authorized Signature:	<u> </u>	Date 2/6/2/9

Printed Name

Lolita Buckingham, Invention Specialist, or

Heather Fletcher, Manager of INVO Docketing & Compliance, or

Nicole A. Janovick, Ph.D., J.D., Invention Manager

Department: Innovation and New Ventures Office (INVO)

AND

King Abdulariz City for Science and Technology (KACST)

Authorized Signature:

Printed Name

Dr. Waleed M. Alghandi Director of Technology Transfer Program Tine:

S

REEL: 059047 FRAME: 0434