

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4179377

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA	12/05/2016

RECEIVING PARTY DATA

Name:	NUTECH VENTURES
Street Address:	2021 TRANSFORMATION DRIVE SUITE 2220
City:	LINCOLN
State/Country:	NEBRASKA
Postal Code:	68508

PROPERTY NUMBERS Total: 12

Property Type	Number
Application Number:	62108873
Application Number:	15009718
PCT Number:	US2016015472
Application Number:	62108863
Application Number:	15009701
PCT Number:	US2016015458
Application Number:	62120537
Application Number:	15042692
Application Number:	61329873
Application Number:	13099082
Application Number:	62311291
Application Number:	62419871

CORRESPONDENCE DATA

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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.

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PATENT

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ATTORNEY DOCKET NUMBER: 512471

NAME OF SUBMITTER: ROBERT J OLINSKI

SIGNATURE: /Robert J Olinski/

DATE SIGNED: 12/09/2016

Total Attachments: 4

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ASSIGNMENT

This Assignment is made by the Board of Regents of the University of Nebraska ("Assignor"), a public body corporate of the State of Nebraska having offices at Varner Hall, 3835 Holdrege Street, Lincoln, Nebraska, 68583-0745, to NUtech Ventures ("Assignee"), a 501(c)(3) supporting organization of Assignor, having offices at 2021 Transformation Drive, Suite 2220, Lincoln, Nebraska, 68508.

WHEREAS, Assignee and Assignor have entered into a Technology Commercialization Services Agreement dated January 1, 2014 (the "Technology Agreement"), wherein Assignor agreed to assign to Assignee and Assignee agree to accept from Assignor certain intellectual property owned by Assignor, including invention disclosures, informal copyrights and copyright applications, plant variety protection certificates, registrations, know-how, trade secrets, patents and patent applications;

WHEREAS, Assignor is the sole owner of the entire right, title and interest in the intellectual property listed and described in Exhibit A, attached hereto (the "Intellectual Property"), as well as all related foreign and domestic patents, patent applications, provisional applications, Divisional applications, Continuations, Continuations-in-part, Reissues, Re-examinations, Certificates of Invention, and the like that may issue from, or which derive priority from, the Intellectual Property. Assignor represents that Assignor has the full right to convey the interest assigned by this Assignment, and that Assignor has not executed and will not execute any agreement in conflict with this Assignment.

WHEREAS, Assignor and Assignee desire to have a recordable instrument assigning the entirety of Assignor's rights, title and interest in and to said Intellectual Property.

NOW, THEREFORE, in accordance with the obligations to assign the intellectual property and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor assigns and transfers to Assignee, the entirety of Assignor's rights, title, and interest in and to said Intellectual Property, including any and all patent applications and Letters Patent, trademarks and copyrights that may be issued on or related to said Intellectual Property in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim, for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignor agrees that, upon request and without further compensation, but at no expense to the Assignor, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignor represents and warrants that Assignor has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests the Director of the United States Patent and Trademark Office and all foreign countries to issue any Letters Patent granted for said invention, whether on said

application or on any subsequently filed Divisional, Continuation, Continuation-in-part or Reissue application, to Assignee, its successors and assigns, as an assignee of the entirety of Assignor's interest in said invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date provided.

Assignor:
Board of Regents of the University of Nebraska

Date: 12/5/16

[Signature]
Signature

Steve Goddard
Name

Interim Vice Chancellor
Title for Research

STATE OF NEBRASKA)
) ss.
COUNTY OF LANCASTER)

On this 5th day of December 2016, before me personally appeared Steve Goddard, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same in his/her authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, execute the instrument.

[Signature]
Notary Public

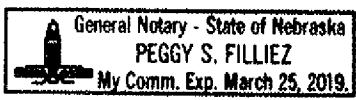


Exhibit A

Patent Title: SYSTEMS AND METHODS FOR SCALABLE PEROVSKITE DEVICE FABRICATION

Filing Date: 01/28/2015

Application Number: 62/108873

NUtech Reference No.: 2308-01

Patent Title: SYSTEMS AND METHODS FOR SCALABLE PEROVSKITE DEVICE FABRICATION

Filing Date: 01/28/2016

Application Number: 15/009,718

NUtech Reference No.: 2308-02

Patent Title: SYSTEMS AND METHODS FOR SCALABLE PEROVSKITE DEVICE FABRICATION

Filing Date: 01/28/2016

Application Number: PCT/US2016/015472

NUtech Reference No.: 2308-03

Patent Title: METHOD FOR SINGLE CRYSTAL GROWTH OF PHOTOVOLTAIC PEROVSKITE MATERIAL AND DEVICES

Filing Date: 01/28/2015

Application Number: 62/108863

NUtech Reference No.: 2307-01

Patent Title: METHOD FOR SINGLE CRYSTAL GROWTH OF PHOTOVOLTAIC PEROVSKITE MATERIAL AND DEVICES

Filing Date: 01/28/2016

Application Number: 15/009,701

NUtech Reference No.: 2307-02

Patent Title: SYSTEMS AND METHODS FOR FABRICATING SINGLE CRYSTAL PHOTOVOLTAIC PEROVSKITE MATERIALS AND DEVICES INCORPORATING THE SAME

Filing Date: 01/28/2016

Application Number: PCT/US2016/015458

NUtech Reference No.: 2307-03

Patent Title: UNIVERSAL FORMATION OF COMPOSITIONALLY GRADED BULK HETEROJUNCTION FOR EFFICIENCY ENHANCEMENT IN ORGANIC PHOTOVOLTAICS

Filing Date: 02/25/2015

Application No.: 62/120537

NUtech Reference No.: 2055-01

Patent Title: COMPOSITIONALLY GRADED BULK HETEROJUNCTION DEVICES AND METHODS OF MANUFACTURING THE SAME

Filing Date: 02/12/2016

Application No.: 15/042692

NUtech Reference No.: 2055-02

Patent Title: Increase the efficiency of organic solar cell by introduce a built-in electric field

Filing Date: 4/30/2010

Application No.: 61/329,873

NUtech Reference No.: 1354-01

Patent Title: METHOD FOR INCREASING THE EFFICIENCY OF ORGANIC PHOTOVOLTAIC CELLS

Filing Date: 05/02/2011

Application No.: 13/099082

NUtech Reference No.: 1354-02

Patent Title: Sensitive X-Ray Detector Devices Including Organolead Trihalide Perovskite Single Crystals

Filing Date: 03/21/2016

Application Number: 62/311,291

NUtech Reference No.: 2016-048-01

Patent Title: SPATIAL MODE FILTERING METHOD TO MITIGATE MODAL DISPERSION AND INCREASE DATA RATE IN A STEP-INDEX OPTICAL FIBER LINK

Filing Date: 11/9/2016

Application Number: 62/419871

NUtech Reference No.: 2017-015-01