

## 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>
	STANLEY PAU	01/19/2016
	WEI-LIANG HSU	02/06/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA	
<b>Street Address:</b>	THE UNIVERSITY OF ARIZONA, TECH TRANSFER ARIZONA	
<b>Internal Address:</b>	P.O. BOX 210300A	
<b>City:</b>	TUCSON	
<b>State/Country:</b>	ARIZONA	
<b>Postal Code:</b>	85721	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16299066
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(503)595-5301	
<i>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.</i>		
<b>Phone:</b>	503-595-5300	
<b>Email:</b>	sarah.coyne@klarquist.com	
<b>Correspondent Name:</b>	KLARQUIST SPARKMAN, LLP	
<b>Address Line 1:</b>	121 SW SALMON STREET, SUITE 1600	
<b>Address Line 2:</b>	ONE WORLD TRADE CENTER	
<b>Address Line 4:</b>	PORTLAND, OREGON 97204	
<b>ATTORNEY DOCKET NUMBER:</b>	8085-93027-03	
<b>NAME OF SUBMITTER:</b>	MICHAEL D. JONES	
<b>SIGNATURE:</b>	/Michael D. Jones/	
<b>DATE SIGNED:</b>	03/12/2019	
<b>Total Attachments: 6</b>		
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## ASSIGNMENT OF PATENT RIGHTS

**Assignors:** Stanley Pau, the University of Arizona, Tech Transfer Arizona, P.O. Box 210300A, Tucson, Arizona 85721

Wei-Liang Hsu, the University of Arizona, Tech Transfer Arizona, P.O. Box 210300A, Tucson, Arizona 85721

**Assignee:** The Arizona Board of Regents on Behalf of the University of Arizona, a body corporate duly formed in accordance with Title 15 of the Arizona Revised Statutes, with an address as follows: The University of Arizona, Tech Transfer Arizona, University Services Annex, 4<sup>th</sup> Floor, P.O. Box 210300A, Tucson, AZ 85721 (physically located at The University of Arizona, Tech Transfer Arizona, 220 West Sixth Street, 4<sup>th</sup> Floor, Tucson, AZ 85701).

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignors hereby sell, assign, transfer, and convey unto Assignee all rights, titles, and interests that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**");

(a) the provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");

<u>UA Ref. No.</u>	<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
UA13-104	14/953,272	United States	November 27, 2015	THIN-FILM BROADBAND AND WIDE-ANGLE DEVICES FOR GENERATING AND SAMPLING POLARIZATION STATES  -Stanley Pau

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that directly or indirectly incorporate by reference the Patents;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances, including, without limitation, all rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding; and

(e) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories and all other rights arising out of such inventions, invention disclosures, and discoveries, and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories, including, for past, current, and future infringement.

Assignors confirm that, at the time the invention was made, Assignors were obligated to assign, and did assign, the invention to Assignee. Assignors represent, warrant and covenant that Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee.

Assignors hereby authorize the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignors will, at the reasonable request of Assignee and without demanding any further consideration therefor, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Assignors have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant the firm of Klarquist Sparkman, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignors, their successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on the dates below.

**ASSIGNOR:**

By:

S. Pau

Date:

1/19/16

Printed Name: Stanley Pau

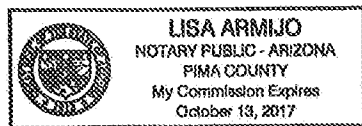
STATE OF Arizona )

COUNTY OF Pima )

ss.

On this 19th day of January, in the year of 2016, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR (Stanley Pau), known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

SEAL



[Signature]  
NOTARY PUBLIC or WITNESS  
MY COMMISSION EXPIRES: 10/13/2017

**ASSIGNOR:**

By: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name: Wei-Liang Hsu

STATE OF

)  
)  
)

ss.

COUNTY OF

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR (Wei-Liang Hsu), known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

\_\_\_\_\_  
NOTARY PUBLIC or WITNESS

MY COMMISSION EXPIRES: \_\_\_\_\_

SEAL

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(e) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories and all other rights arising out of such inventions, invention disclosures, and discoveries, and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories, including, for past, current, and future infringement.

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IN WITNESS WHEREOF this Assignment of Patent Rights is executed on the dates below.

**ASSIGNOR:**

By: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: Stanley Pau

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR (Stanley Pau), known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

SEAL

\_\_\_\_\_  
NOTARY PUBLIC or WITNESS  
MY COMMISSION EXPIRES: \_\_\_\_\_

ASSIGNOR:

By:

[Signature]

Date:

2/6/2016

Printed Name: Wei-Liang Hsu

STATE OF Connecticut

COUNTY OF Fairfield

ss. Norwalk

On this 6 day of February, in the year of 2016, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR (Wei-Liang Hsu), known to me (or proven to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

[Signature]  
NOTARY PUBLIC or WITNESS

MY COMMISSION EXPIRES: Sept. 30, 2018

SEAL

