502859535 06/19/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2906133

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LINGLI XIA	05/03/2014
PATRICK Y. CHIANG	05/28/2014
JIAO CHENG	04/25/2014

RECEIVING PARTY DATA

Name:	THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF OREGON STATE UNIVERSITY
Street Address:	OFFICE OF TECHNOLOGY TRANSFER
Internal Address:	312 KERR ADMINISTRATION BUILDING
City:	CORVALLIS
State/Country:	OREGON
Postal Code:	97333

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	61784622
Application Number:	14212478

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	245-90478-03	
NAME OF SUBMITTER:	CHRISTOPHER S. DUNCAN #64,287	
SIGNATURE:	/Christopher S. Duncan/	
DATE SIGNED:	06/19/2014	

PATENT 502859535 REEL: 033142 FRAME: 0465

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PATENT REEL: 033142 FRAME: 0466

ASSIGNMENT

WHEREAS, we, Lingli Xia, of San Diego, CA, Patrick Y. Chiang, of Corvallis, OR, and Jiao Cheng, of Portland, OR, have invented a certain invention, as described in the following patent applications:

- U.S. Provisional Patent Application No. 61/784,622, filed on March 14, 2013, entitled "RADIO FREQUENCY ENERGY HARVESTING WITH POWER CONVERSION EFFICIENCY TRACKING,"
- U.S. Patent Application No. 14/212,478, filed on March 14, 2014, entitled "MULTI-STAGE PROGRAMMABLE RECTIFIER WITH EFFICIENCY TRACKING," which applications are collectively referred to as "the patent applications."

WHEREAS, The State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University, a university organized under the laws of the State of Oregon, having a place of business at Office of Technology Transfer, 312 Kerr Administration Building, Corvallis, OR 97333, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Lingli Xia, Patrick Y. Chiang, and Jiao Cheng hereby sell, assign, and transfer to The State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University, the full and exclusive right, title, and interest in and to said invention, the patent applications, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications, and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by The State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to The State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State

University, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid The State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University, its successors, and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that, at the time the invention was made, we were under an obligation to assign the invention to The State of Oregon acting by and through the State Board of Higher Education on behalf of Oregon State University.

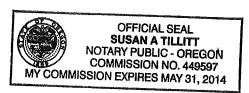
We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

At San Diego, CA (City and State) on this 3 day of May, 2014.
on this Odday of May, 2014.
STATE OF CALIFORNIA)
STATE OF CAST OF SS. COUNTY OF GAST DIESE)
-L
This 3 day of 3 , $20/4$, before me personally came the above-named
Lingli Xia, who executed the foregoing instrument in my presence, and who acknowledged to me
that this instrument was executed by Lingli Xia's own free will for the purpose set forth therein.
CONNIE T. NGO Commission # 1926757 Notary Public - California San Diego County My Comm. Expires Mar 25, 2015 My commission expires: Notary Public For My commission expires: 3 / 2 5 / 2 5 / 5

At Carvallis OR	Patrick Y. Chiang
(City and State) on this 28 th day of <u>Man</u> , 2014.	
STATE OF One gon) ss. COUNTY OF Benjon)	
COUNTY OF Bendon)	
This 28 th day of, 20 \frac{14}{2}, Patrick Y. Chiang, who executed the foregoing in acknowledged to me that this instrument was exe the purpose set forth therein.	
	Notary Public For Onegon My commission expires: 5-21-2014

[SEAL]



At Portland, Oregon (City and State) on this 25 day of April, 2014.	Jiao Cheng
STATE OF Oregon) ss. COUNTY OF Multnomah)	
This 25 day of, 20/4, b Jiao Cheng, who executed the foregoing instrument me that this instrument was executed by, Jiao Cher therein.	

OFFICIAL SEAL ANDREW D SAPP NOTARY PUBLIC - OREGON COMMISSION NO. 460664 MY COMMISSION EXPIRES AUGUST 03, 2015

Notary Public For My commission expires: Aug. 3rd, 2015

[SEAL]