

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2923494

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JACQUES CHRISTOPHE RUDELL	06/10/2014
TONG ZHANG	06/10/2014
APSARA RAVISH SUVARNA	06/11/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION
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<b>Internal Address:</b>	SUITE 500
<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98105-4608
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14258896
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)299-9288
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<b>Phone:</b>	206-903-8800
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<b>Correspondent Name:</b>	DORSEY & WHITNEY, LLP AND UNIVERSITY OF
<b>Address Line 1:</b>	701 5TH AVE, STE 6100
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<b>ATTORNEY DOCKET NUMBER:</b>	P244394.US.01
<b>NAME OF SUBMITTER:</b>	JENNIFER LANE SPAITH
<b>SIGNATURE:</b>	/Jennifer Lane Spaith/
<b>DATE SIGNED:</b>	07/02/2014
<b>Total Attachments: 5</b>	
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**PATENT**

**REEL: 033231 FRAME: 0048**


## ASSIGNMENT

WHEREAS, we, Jacques Christophe Rudell, Tong Zhang, and Apsara Ravish Suvarna (hereinafter referred to as ASSIGNORS), having addresses c/o UW Center for Commercialization, 4311 11th Avenue NE, Suite 500, Seattle, Washington 98105-4608, are named inventors on a patent application entitled "SYSTEMS, TRANSCEIVERS, RECEIVERS, AND METHODS INCLUDING CANCELLATION CIRCUITS HAVING MULTI-PORT TRANSFORMERS," filed on April 22, 2014 and assigned Application No. 14/258,896;

WHEREAS, UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION (hereinafter "Assignee") having an address at 4311 11<sup>th</sup> Avenue NE, Suite 500, Seattle, Washington 98105-4608, is desirous of acquiring the entire right, title and interest in and to the inventions described in the application, and in and to any patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said inventions, said application and any and all patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, continuations, reexaminations, reissues, continuations-in-part thereof, and any applications claiming priority to the application or to which the application claims priority, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority to the application in any subsequent United States or foreign application to which priority said foreign applications are entitled by virtue of international convention, treaty or otherwise, said inventions, applications, and all patents on said inventions to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner for Patents and Trademarks to issue all patents on said inventions to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign patents on said inventions, for litigation regarding said patents, or for the purpose of protecting title to said inventions or patents therefor.

By:

  
Jacques Christophe Rudell

NOTARIZATION

STATE OF Washington )  
 ) ss.  
COUNTY OF King )

On 6/10/, 2014, before me, Karen L. Fisher, Notary Public, personally appeared Jacques Christophe Rudell, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Washington that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Karen L. Fisher



By:

Tong Zhang

NOTARIZATION

STATE OF Washington )  
 ) ss.  
COUNTY OF King )

On June 10, 2014, before me, Karen L. Fisher, Notary Public, personally appeared Tong Zhang, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Washington that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Signature

Karen L. Fisher



SEE ATTACHED FORM FOR  
NOTARY CERTIFICATE

By:

  
Apsara Ravish Suvarna

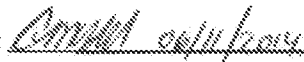
NOTARIZATION

STATE OF California )  
 ) ss.  
COUNTY OF San Diego )

On June 11<sup>th</sup>, 2014, before me, Cristian Antonio Munoz Notary Public, personally appeared Apsara Ravish Suvarna, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~she~~<sup>he</sup> executed the same in ~~his~~<sup>her</sup> authorized capacity, and that by ~~his~~<sup>her</sup> signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature 

SEE ATTACHED FORM FOR  
NOTARY CERTIFICATE

TO be attached to  
Patent Assignment.

— look for attached  
Notary Certificate.

# California All-Purpose Acknowledgment

State of California

County of

San Diego

} ss.

On June 11<sup>th</sup>, 2014 before me, Cristian Antonio Munguia (Notary Public)  
Name and Title of Notary Public  
personally appeared Aparia Parikh SIKARNA

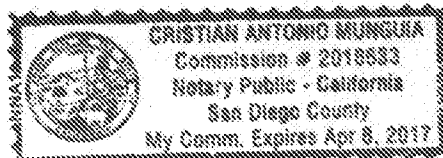
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Cristian Antonio Munguia

Signature of Notary Public



This area for official notarial seal

(Optional) My commission expires on: 04/08/2017

(Optional) Phone No.: 619-559-9159