

PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Lawrence T. Clark</td><td>12/16/2009</td></tr><tr><td>Dan W. Patterson</td><td>12/16/2009</td></tr><tr><td>Xiaoyin Yao</td><td>12/14/2009</td></tr><tr><td>David Pettit</td><td>02/08/2010</td></tr><tr><td>Rahul Shringarpure</td><td>12/15/2009</td></tr></tbody></table>		Name	Execution Date	Lawrence T. Clark	12/16/2009	Dan W. Patterson	12/16/2009	Xiaoyin Yao	12/14/2009	David Pettit	02/08/2010	Rahul Shringarpure	12/15/2009
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<table border="1"><tr><td>Name:</td><td>Arizona Board of Regents, for and on behalf of Arizona State University</td></tr><tr><td>Street Address:</td><td>1475 North Scottsdale Road</td></tr><tr><td>Internal Address:</td><td>Sky Song - Suite 200</td></tr><tr><td>City:</td><td>Scottsdale</td></tr><tr><td>State/Country:</td><td>ARIZONA</td></tr><tr><td>Postal Code:</td><td>85257-3538</td></tr></table>		Name:	Arizona Board of Regents, for and on behalf of Arizona State University	Street Address:	1475 North Scottsdale Road	Internal Address:	Sky Song - Suite 200	City:	Scottsdale	State/Country:	ARIZONA	Postal Code:	85257-3538
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (919)238-2301 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 919-238-2300													
Email: jalkove@withrowterranova.com													
Correspondent Name: Withrow & Terranova, P.L.L.C.													
Address Line 1: 100 Regency Forest Drive													
Address Line 2: Suite 160													
Address Line 4: Cary, NORTH CAROLINA 27518													
ATTORNEY DOCKET NUMBER:	1135-037												

501637769

PATENT  
REEL: 026806 FRAME: 0169

OP \$40.00 12626488

NAME OF SUBMITTER:

Jennifer Alkove

**Total Attachments: 6**

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# ASSIGNMENT

In consideration of my agreement with the Arizona Board Of Regents, for and on Behalf of Arizona State University, a corporation of Arizona, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Lawrence T. Clark, an individual residing in Phoenix, Arizona, I, Dan W. Patterson, an individual residing in Scottsdale, Arizona, I, Xiaoyin Yao, an individual residing in Chandler, Arizona, I, David Pettit, an individual residing in Gilbert, Arizona, and I, Rahul Shringarpure, an individual residing in Calabasas, California (the "ASSIGNOR"), hereby assign, transfer, set over, convey, and deliver to the Arizona Board Of Regents, for and on behalf of Arizona State University, a corporation of Arizona having a place of business located at 1475 North Scottsdale Road, Sky Song - Suite 200, Scottsdale, Arizona 85257-3538, its successors and assigns (the "ASSIGNEE"), all of my right, title, and interest in, to, and under any and all subject matter of the invention(s) disclosed and/or claimed in the application titled

## **CIRCUITS AND METHODS FOR DUAL REDUNDANT REGISTER FILES WITH ERROR DETECTION AND CORRECTION MECHANISMS**

filed in the U.S. Patent and Trademark Office on November 25, 2009 under Application No. 12/626,488; a copy of which has been provided to me and I have reviewed; in, to and under the said application and any and all utility, design, provisional, continuation, continuation-in-part, continued prosecution, request-for-continued-examination, and divisional applications thereof; in, to, and under, my exclusive right to make and prosecute any and all applications for patents, reissues, renewals, and extensions thereof; in, to, and under any and all patents and Convention and Treaty rights of all kinds, in the United States of America and all other countries throughout the world, for all such subject matter; in, to, and under any and all know-how and/or confidential, proprietary, and/or trade secret information relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to sue for present, past, and future infringement or misappropriation relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to enforce any rights and file any causes of action, in law and/or equity, relating to any such subject matter, applications, patents, and/or technology; and in, to, and under the right to all income, royalties, fees, damages, and payments now or hereafter due or payable in respect to any such subject matter, applications, patents, and/or technology. The right, title, and interest is to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and exclusively as it would have been held and enjoyed by ASSIGNOR had this assignment not been made. I request the applicable official having authority to issue patents and/or corresponding rights to issue same on the subject matter of the said invention(s) to ASSIGNEE, its successors and assigns, and, if called upon by ASSIGNEE, its successors, assigns, or legal representatives, I agree to promptly sign any and all documents necessary to secure any and all such patents and/or rights and for issuance of same to ASSIGNEE or its successors and assigns.

I covenant with ASSIGNEE, its successors, assigns, and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

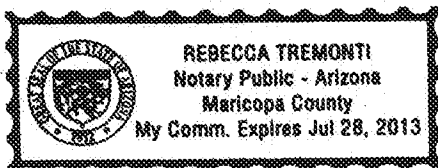
I confirm that I have not made any agreement in conflict with this Assignment. I further agree that I will provide information within my knowledge or belief, and do any and all other relevant things that ASSIGNEE, its successors, assigns, or legal representatives deem necessary or desirable and request of me in connection with obtaining and/or maintaining any such patents and/or rights; in connection with any proceeding, controversy, and/or litigation pertaining to any such patents and/or rights; in order to perfect and/or enforce the ownership by ASSIGNEE, its successors and assigns, of the right, title, and interest conveyed by this Assignment; and/or in connection with this Assignment, without payment of consideration to me beyond that called for in my written agreement with ASSIGNEE on the understanding, however, that ASSIGNEE will bear all reasonable expenses actually incurred for or in connection with such matters. This Assignment and the obligations assumed by me shall be binding on my heirs and personal representatives.

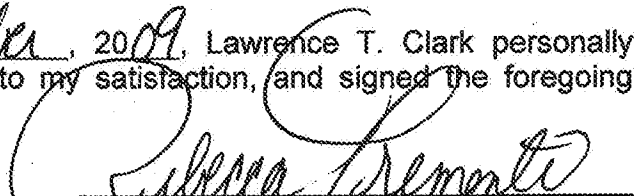
Date: 12/16/09

  
Lawrence T. Clark

STATE OF Arizona :  
COUNTY OF Maricopa : ss

On this 16<sup>th</sup> day of December, 2009, Lawrence T. Clark personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.



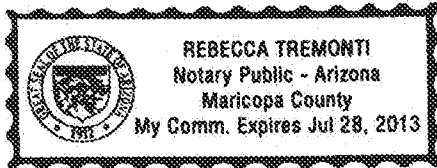
  
Notary Public  
My commission expires: 7/28/13

Date: 12/16/09

Dan W. Patterson  
Dan W. Patterson

STATE OF Arizona  
COUNTY OF Maricopa <sup>SS</sup>

On this 16<sup>th</sup> day of December, 2009, Dan W. Patterson personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.



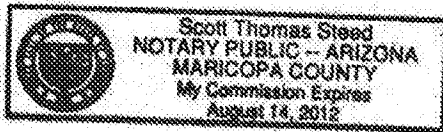
Rebecca Tremonti  
Notary Public  
My commission expires: 7/28/13

Date: 12/14/2009

Xiao Yin Yao  
Xiaoyin Yao


STATE OF ARIZONA  
COUNTY OF MARICOPA : ss

On this 14 day of DECEMBER, 2009, Xiaoyin Yao personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.




Scott Thomas Stead  
Notary Public  
My commission expires: 12/14/2009

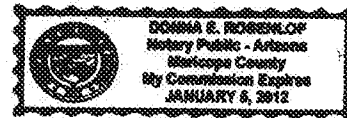
Date: 02/05/2010

  
David Pettit

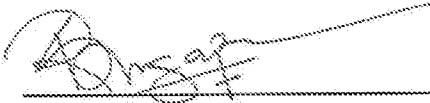
STATE OF ARIZONA :  
COUNTY OF MARICOPA : ss

On this 8<sup>TH</sup> day of February, 2010, David Pettit personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

  
Notary Public  
My commission expires: January 5, 2012



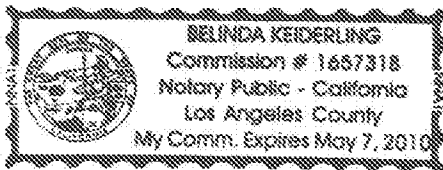
Date: 12/15/2009



Rahul Shringarpure

STATE OF California :  
COUNTY OF Los Angeles : ss

On this 15<sup>th</sup> day of December, 2009, Rahul Shringarpure personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.



  
Notary Public  
My commission expires: 5-7-10