

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT3123307

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEFF HUANG	11/21/2014
GRIGORE ROSU	11/21/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
<b>Street Address:</b>	352 HENRY ADMINISTRATION BUILDING
<b>Internal Address:</b>	506 SOUTH WRIGHT STREET
<b>City:</b>	URBANA
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61801
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14553056
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	801-203-3546
<b>Email:</b>	tkusitor@kjpip.com
<b>Correspondent Name:</b>	KELLY R. PREECE
<b>Address Line 1:</b>	1010 NORTH 500 EAST
<b>Address Line 2:</b>	SUITE 210
<b>Address Line 4:</b>	NORTH SALT LAKE, UTAH 84054
<b>ATTORNEY DOCKET NUMBER:</b>	20043.11 ASSIGNMENT
<b>NAME OF SUBMITTER:</b>	KELLY R. PREECE
<b>SIGNATURE:</b>	/Kelly R. Preece/
<b>DATE SIGNED:</b>	11/25/2014
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

WHEREAS, Jeff Huang and Grigore Rosu, hereinafter called the "Assignors," have made the invention described in the United States patent application entitled MAXIMIZING CONCURRENCY BUG DETECTION IN MULTITHREADED SOFTWARE PROGRAMS, which was filed as U.S. Application No. 14/553,056, on November 25, 2014 ;

WHEREAS, The Board of Trustees of the University of Illinois, a body corporate and politic having a place of business at 352 Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801, hereinafter called the "Assignee," desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the

invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

Dated: Nov 21, 2014

[Signature]  
Jeff Huang

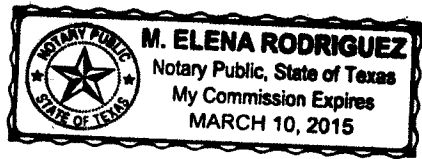
STATE OF Texas )  
COUNTY OF College Station ) ss.

I, Elena Rodriguez, a Notary Public in and for the County and State aforesaid, do hereby certify that Jeff Huang, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 21 day of November, 2014.

[Signature]  
Notary Public

My Commission Expires:  
March 2015



Dated: Nov 21, 2014

Grigore Rosu  
Grigore Rosu

STATE OF Illinois )  
COUNTY OF Champaign ) ss.

I, Dawn S. Cheek, a Notary Public in and for the County and State aforesaid, do hereby certify that Grigore Rosu, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 21<sup>st</sup> day of November, 2014.

Dawn S. Cheek  
Notary Public

My Commission Expires:  
5-24-17

