

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4335109

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INCORRECT PATENT APPLICATION SERIAL NUMBER previously recorded on Reel 035338 Frame 0314. Assignor(s) hereby confirms the CONFIRMATORY LICENSE.

CONVEYING PARTY DATA

Name	Execution Date
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS	03/23/2017

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE. S.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11857925

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DATE SIGNED:	03/24/2017

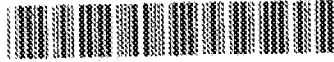
Total Attachments: 3

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3/25/15

03/27/2015

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)



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URBANA, IL 61801
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: United States Department of Energy
Internal Address: _____
Street Address: 1000 Independence Ave., S.W.
City: Washington
State: D.C.
Country: USA Zip: 20585
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) 09/29/2014
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

4. Application or patent number(s):
A. Patent Application No. (s)
11/875,925
Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No. (s)
8,533,681

5. Name and address to whom correspondence concerning document should be mailed:
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6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____
 Authorized to be charged by credit card
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 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
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9. Signature: [Signature] 3/25/2015
Signature Date

John D. Cravero #71,245
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Total number of pages including cover sheet, attachments, and documents: 2

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Department of Energy
Office of Science
science.energy.gov/lciservices/legal/

CONFIRMATORY LICENSE

Title of Invention: Atomicity Violation Detection Using Access Interleaving Invariants
 Inventor(s): Yuanyuan Zhou, Shan Lu, Joseph A. Tucek
 Patent Application Serial No: 11/875,925 Filing Date 09/19/2007
 Patent Number: 8,533,681 Issue Date: 09/10/2013
 Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable):
 Name of Contractor: The Board of Trustees of The University of Illinois
 DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable):
 DE-FG02-05ER25688, NSF Grants CCR0325603 and CNS0347854
 DOE Case No.: S- Contractor Docket No.:

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Walter K. Knorr

Signed on: Sep 29, 2014

Contractor Name The Board of Trustees of The University of Illinois
 Official's Name Walter K. Knorr
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PATENT

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: AVIO - Atomicity Violation Detection Using Access Interleaving Invariants

Inventor(s): Yuanyuan Zhou, Shan Lu, Joseph Tucek

U.S. Filing/Issue Date: 09/19/2007

Patent or Application Serial No.: 11/857,925

Grant/Contract Number(s): CCR0325603, CNS0347854, DE-FG02-05ER25688

Foreign Applications filed/intended in (countries): _____

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

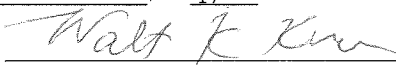
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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 23rd day of March, 20 17.

By Walter K. Knorr

(Institutional Business Official)



(Signature)

Title VP & CFO, Comptroller

For The Board of Trustees of The University of Illinois

(Grantee/Contractor Organization)

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