

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4373152

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INCORRECT SERIAL NO 11/875925 TO CORRECT SERIAL NO 11/857925 (PATENT NO. 8,533,681) previously recorded on Reel 035338 Frame 0313. 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	
CORRESPONDENCE DATA		
Fax Number:	(630)252-2779	
<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>		
Phone:	(630) 252-2164	
Email:	Confirmatory.License@science.doe.gov	
Correspondent Name:	MICHAEL J. DOBBS	
Address Line 1:	9800 S. CASS AVE	
Address Line 2:	IPLD	
Address Line 4:	ARGONNE, ILLINOIS 60439	
ATTORNEY DOCKET NUMBER:	S-140357	
NAME OF SUBMITTER:	TIMOTHY L HARNEY	
SIGNATURE:	/Timothy L Harney/	
DATE SIGNED:	04/18/2017	
Total Attachments: 3		
source=11857925 Correct Conf License#page1.tif		
source=11857925 Incorrect Confirmatory Licese#page1.tif		
source=11857925 Incorrect Confirmatory Licese#page2.tif		

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

03/27/2015



103671778

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

CAR

S-140,357

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF
ILLINOIS
352 HENRY ADMIN BLDG, 506 S. WRIGHT STREET
URBANA, IL 61801

Additional name(s) of conveying party(ies) 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

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

4. Application or patent number(s):

A. Patent Application No. (s)

11/875,925

☐ This document is being filed together with a new application.

B. Patent No. (s)

8,533,681

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael J. Dobbs

Internal Address: U. S. Dept. of Energy, IPLD

Street Address: 9800 S. Cass Ave

City: Argonne

State: IL Zip: 60439

Phone Number: 630-252-2164

Fax Number: 630-252-2779

Email Address: Confirmatory.License@ch.doe.gov

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
☐ Authorized to be charged to deposit account
☐ Enclosed
☒ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature: John D. Cravero

Signature

3/25/2015

Date

John D. Cravero #71,245
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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:

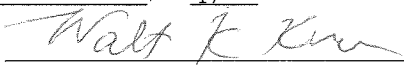
1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

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)

At 352 Henry Admin Bldg., 506 S. Wright Street, Urbana, IL 61801

(Business Address)



Department of Energy
Office of Science
science.energy.gov/lsc/services/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.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

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
Official's Title VP & CFO, Comptroller
Business Address 352 Henry Admin. Bldg, 506 S. Wright Street, Urbana, IL 61801

PATENT**RECORDED: 04/18/2018****REEL: 042280 FRAME: 0330**