502707968 03/05/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2754573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ETHAN LUKE MICHAUD	03/04/2014
MATHEW WADE PICKERING	02/20/2014
NATHANIEL JOHN BATES	03/05/2014
JANUSZ M. JUDA	02/25/2014
THOMAS STEVEN JOYCE	02/25/2014
WILLIAM VAL ARNETH, III	02/24/2014
LATRISHA DEVON WHITEHEAD	02/21/2014
GARY ROBERT COUTURE	02/20/2014
LOUIS ANTHONY IANNUCCI	02/25/2014
SCOTT M. BLANDFORD	02/26/2014

RECEIVING PARTY DATA

Name:	TEACHERS INSURANCE AND ANNUITY ASSOCIATION OF AMERICA	
Street Address:	730 THIRD AVENUE	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10017	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14197501

CORRESPONDENCE DATA

502707968

Fax Number: (973)597-2400 **Phone**: 973-597-2500

Email: dandreev@lowenstein.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: PATENT DOCKET ADMINISTRATOR

Address Line 1: 65 LIVINGSTON AVENUE

REEL: 032358 FRAME: 0051

PATENT

7.44.1000	EIN SANDLER LLP D, NEW JERSEY 07068
ATTORNEY DOCKET NUMBER:	T2038.11
NAME OF SUBMITTER:	DMITRY ANDREEV
Signature:	/Dmitry Andreev/
Date:	03/05/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 30 source=T2038_11_CombinedDeclarationAs	signment#page2.tif signment#page3.tif signment#page4.tif signment#page5.tif signment#page6.tif signment#page7.tif signment#page9.tif signment#page9.tif signment#page10.tif signment#page11.tif signment#page12.tif signment#page13.tif signment#page13.tif signment#page15.tif signment#page15.tif signment#page15.tif signment#page10.tif signment#page10.tif signment#page10.tif signment#page10.tif signment#page20.tif signment#page20.tif signment#page20.tif signment#page21.tif signment#page21.tif signment#page22.tif signment#page23.tif signment#page25.tif signment#page26.tif signment#page26.tif signment#page27.tif

 $source = T2038_11_Combined Declaration Assignment \#page 29.tif\\ source = T2038_11_Combined Declaration Assignment \#page 30.tif\\$

Title of Invention	VISUALIZATION OF PERFORMANCE PARAMETERS OF DISTRIBUTED COMPUTER SYSTEMS
This declaration and assignment is directed	☐ United States application or PCT international application number
to:	
DECLARATIO	
As a below n	amed inventor, I hereby declare that:
The above-id	dentified application was made or authorized to be made by me.
I believe that	t I am the original inventor or an original joint inventor of a claimed invention in the application
	nowledge that any willful false statement made in this declaration is punishable under 18 by fine or imprisonment of not more than five (5) years, or both.
ASSIGNME	NT.
For good and	d valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the
7	l, hereby sell, assign, and transfer to <u>Teachers Insurance and Annuity Association of Americ</u>
a corporation	n having a principal place of business at 730 Third Avenue, New York, NY 10017.
the United St disclosed in t and all provis divisional app applications,	, and its successors, assigns, and legal representatives, the entire right, title, and interest for itates and all foreign countries, in and to any and all inventions or improvements that are the above identified application and in and to said application (provisional or non-provisional sional applications, non-provisional applications, utility applications, design applications, polications, continuation, continued prosecution applications, continuation-in-part, substitute applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filed in the United States.

reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, renewal applications applications, reexamination-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

EGAL NAME OF INVENTOR nventor: Ethan Luke Michaud		4/2014
Signature: <u>CH2 ThU Nobil</u>		
EGAL NAME OF INVENTOR		
nventor: Mathew Wade Pickering	Date:	
lignature:		
EGAL NAME OF INVENTOR		
nventor: <u>Nathaniel John Bates</u>	Date:	ondonnanensensekkekkekkekkekkekkekkekkekkekkekkekkekk
ignature:		

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LEGAL NAME OF INVENTOR Inventor: Janusz M. Juda Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Thomas Steven Joyce Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: William Val Arneth III Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Latrisha Devon Whitehead Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Gary Robert Couture Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Louis Anthony Iannucci Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Scott M. Blandford Signature:	Date:
Inventor: Scott M. Blandford	

Title of Invention	VISUALIZATION OF PERFORMANCE PARAMETERS OF DISTRIBUTED COMPUTER SYSTEMS
This declaration and assignment is directed to:	☐ United States application or PCT international application number
DECLARAT	ON .
As a below	named inventor, I hereby declare that:
The above-	identified application was made or authorized to be made by me.
I believe th	at I am the original inventor or an original joint inventor of a claimed invention in the application.
	knowledge that any willful false statement made in this declaration is punishable under 18 1 by fine or imprisonment of not more than five (5) years, or both.
ASSIGNME	:NT
For good a	nd valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the
undersigne	d, hereby sell, assign, and transfer to <u>Teachers Insurance and Annuity Association of America.</u>
a <u>corporatio</u>	n having a principal place of business at 730 Third Avenue, New York, NY 10017.
the United S disclosed in and all prov divisional ap applications), and its successors, assigns, and legal representatives, the entire right, title, and interest for States and all foreign countries, in and to any and all inventions or improvements that are the above identified application and in and to said application (provisional or non-provisional) isional applications, non-provisional applications, utility applications, design applications, optications, continuation applications, continued prosecution applications, continuation-in-part substitute applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filed in the United States

reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR				
Inventor: Ethan Luke Michaud		Date:	W <u>XXXXXX</u> XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Signature:				
LEGAL NAME OF INVENTOR				***************************************
Inventor: Mathew Wade Pickering	USUUUUUUUN NAMAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Date: <u>2/20/</u>	2014	
Signature: Million 11. Puris			and the second contract of the second contrac	
LEGAL NAME OF INVENTOR			***************************************	,00000000000000000000000000000000000000
Inventor: Nathaniel John Bates		Date:	D	utano
Signature;				

LEGAL NAME OF INVENTOR Inventor: Janusz M. Juda Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Thomas Steven Joyce Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: <u>William Val Ameth III</u> Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Latrisha Devon Whitehead Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: <u>Gary Robert Couture</u> Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Louis Anthony lannucci Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Scott M. Blandford Signature:	Date:
Note: An application data sheet (PTO/SB/14 or equivalent), including near Use an additional PTO/SB/AIA01 form for each additional inventor.	ning the entire inventive entity, must accompany this form.

Assessment Transfers By. WOMON 15

Title of Invention	VISUALIZATION OF PERFORMANCE PARAMETERS OF DISTRIBUTED COMPUTER SYSTEMS
This declaration and assignment	The attached application, or United States application or PCT International application number filed on
is directed to:	
DECLARATI As a below r	un named inventor, I hereby declare that:
	identified application was made or authorized to be made by me.
I believe the	at I am the original inventor or an original joint inventor of a claimed invention in the application
	knowledge that any willful faise statement made in this declaration is punishable under 18 I by fine or imprisonment of not more than five (5) years, or both.
assignme	
	nd valuable consideration, the receipt and sufficiency of which is hereby acknowledged, it, the d, hereby sell, assign, and transfer to <u>Teachers Insurance and Annuity Association of Americ</u> s
("Assignee" the United S	on having a principal place of business at <u>730 Third Avenue, New York, NY 10017.</u> I), and its successors, assigns, and legal representatives, the entire right, title, and interest for States and all foreign countries, in and to any and all inventions or improvements that are In the above identified application and in and to said application (provisional or non-provisional)

and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filling of said application;

agree that said Assignes may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continuation applications, remeal applications, reissue applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR			
Inventor: Ethan Luke Michaud		Date:	
Signature:			-
LEGAL NAME OF INVENTOR			
Inventor: Mathew Wade Pickering		Date:	
Signature:	о	·	······································
LEGAL NAME OF INVENTOR			
Inventor: <u>Nathaniel John Bales</u>		Date: <u> </u>	
Signature: NH JBA		1	

LEGAL NAME OF INVENTOR			
Inventor: Januaz M. Juda		Date;	**************************************
Signature:		**************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
LEGAL NAME OF INVENTOR	\$5950pppmooteorenoorgaansphiliage/20062550ppmooteorgaansenoord	99000000000000000000000000000000000000	98000000000000000000000000000000000000
Inventor: Thomas Steven Joyce	,0000000	Date:	######################################
Signature:		///	
LEGAL NAME OF INVENTOR	20000000000000000000000000000000000000	Sirconnocomposition of the State of the Stat	NOV (1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(1990)(199
Inventor: William Val Arneth III	20000000000000000000000000000000000000	Date:	30000000000000000000000000000000000000
Signature:			wasaaaaaaaaaa
LEGAL NAME OF INVENTOR	00000000000000000000000000000000000000	***************************************	10granace-04/04-060-1-10-1-06000000000000000000000000
Inventor: Latrishe Devon Whitehead		Date:	200000000000000000000000000000000000000
Signature:	**		······································
LEGAL NAME OF INVENTOR	200000000000000000000000000000000000000	989989888864-00-11-10-11-11-11-11-11-11-11-11-11-11-	10000000000000000000000000000000000000
Inventor: Gary Robert Coulture	mma_65000000000000000000000000000000000000	Date:	£^}^***********************************
Signature:		**************************************	
LEGAL NAME OF INVENTOR		cocccccccccccccccccccccccccccccccccccc	0449996974444444444444444444444444444444
Inventor: Louis Anthony lannucci	00000000000000000000000000000000000000	_ Date:	KOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO
Signature:		000000000000000000000000000000000000000	a.2000.100000000000000000000000000000000
LEGAL NAME OF INVENTOR	30000000000000000000000000000000000000	kennelvangensenskilligbigglibbiotototododbootootoonikenskini	Bggenhoonnoonsonsys ₀₀₀ 48788656800040-0-0-0-0-0
Inventor: Scott M. Blandford	200001090700000	Date:	WARNANAN ** 7,85,85,85,85,85,85,85,85,85,85,85,85,85,
Signature:			·

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This declaration and assignment is directed	☐ United States application or PCT international application number filed on
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DECLARAT	
As a below	named inventor, I hereby declare that:
The above-	identified application was made or authorized to be made by me.
I believe the	at I am the original inventor or an original joint inventor of a claimed invention in the application.
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For good ar	nd valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the
undersigne	d, hereby sell, assign, and transfer to Teachers Insurance and Annuity Association of America.
a corporatio	n having a principal place of business at 730 Third Avenue, New York, NY 10017.
the United 5 disclosed in and all prov divisional applications), and its successors, assigns, and legal representatives, the entire right, title, and interest for States and all foreign countries, in and to any and all inventions or improvements that are the above identified application and in and to said application (provisional or non-provisional) isional applications, non-provisional applications, utility applications, design applications, oplications, continuation, continued prosecution applications, continuation-in-part is, substitute applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filed in the United States

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agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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LEGAL NAME OF INVENTOR	
Inventor: Ethan Luke Michaud	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Mathew Wade Pickering	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Nathaniel John Bates	Date:
Signature:	

LEGAL NAME OF INVENTOR	
Inventor: <u>Janusz M. Juda</u>	Date: Fetting 15, 2014
Signature: FRANCE - 100/20	
LEGAL NAME OF INVENTOR	
Inventor: Thomas Steven Joyce	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: William Val Arneth III	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Latrisha Devon Whitehead	Cate:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Gary Robert Couture	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Louis Anthony lannucci	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Scott M. Blandford	Date:
Signature:	
Note: An application data sheet (PTC/SB/14 or equivalent), including naming the entire inv	ventive entity, must accompany this form.

Title of Invention	VISUALIZATION OF PERFORMANCE PARAMETERS OF DISTRIBUTED COMPUTER SYSTEMS
This declaration and assignment is directed to:	United States application or PCT international application number
DECLARAT	TON
As a below	named inventor, I hereby declare that:
The above	-identified application was made or authorized to be made by me.
I believe th	at I am the original inventor or an original joint inventor of a claimed invention in the application.
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the United disclosed in and all prov divisional a applications	"), and its successors, assigns, and legal representatives, the entire right, little, and interest for States and all foreign countries, in and to any and all inventions or improvements that are in the above identified application and in and to said application (provisional or non-provisional) visional applications, non-provisional applications, utility applications, design applications, polications, continuation, continued prosecution applications, continuation-in-part s, substitute applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filled in the United States.

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Date:	
Date:	
	Date:

LEGAL NAME OF INVENTOR Inventor: Janusz M. Jude Signature:	Dale:
LEGAL NAME OF INVENTOR Inventor: Thomas Steven Joyce Signature:	Date:2/25/20/5/
LEGAL NAME OF INVENTOR Inventor: William Val Arneth III Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: <u>Latristia Devim Whitehead</u> Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: <u>Gary Bobert Coulure</u> Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Louis Anthony Isanucci Signature:	Oate:
LEGAL NAME OF INVENTOR Inventor: <u>Scott M. Blandford</u> Signature:	Date:
Note: An application data sheet (PTO/98/14 or equivalent), including naming the entire inval Use an additional PTO/88/AIA01 form for each additional inventor	ntive entity, must accompany this form.

Title of invention	VISUALIZATION OF PERFORMANCE PARAMETERS OF DISTRIBUTED COMPUTER SYSTEMS
This declaration and assignment is directed to:	The attached application, or United States application or PCT international application number
DECLARATIO	หต
As a below n	amed inventor, I hereby declare that:
The above-id	dentified application was made or authorized to be made by me.
I believe that	t I am the original inventor or an original joint inventor of a claimed invention in the application.
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ASSIGNMEI	
For good and	d valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the
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the United Sidisciosed in the and all provisional apparations,	, and its successors, assigns, and legal representatives, the entire right, title, and interest for lates and all foreign countries, in and to any and all inventions or improvements that are the above identified application and in and to said application (provisional or non-provisional) sional applications, non-provisional applications, utility applications, design applications, olications, continuation applications, continued prosecution applications, continuation-in-part substitute applications, renewal applications, reissue applications, reexaminations, and all other patent applications that have been or shall be filed in the United States

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LEGAL NAME OF INVENTOR	
Inventor: Ethan Luke Michaud	Date;
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: <u>Mathew Wade Pickering</u>	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Nathaniel John Bates	Date:
Signature:	

LEGAL NAME OF INVENTOR Inventor: Janusz M. Juda	P
Signature:	Date:
LEGAL NAME OF INVENTOR	
Inventor: Thomas Steven Joyce	Date:
Signature:	
LEGAL NAME OF INVENTOR	**************************************
inventor: William Val Ameth III	Date: 2/24/14
Signature: Welliam V. Oznator	
LEGAL NAME OF INVENTOR	
Inventor: Latrisha Devon Whitehead	Date:
Signature:	
LEGAL NAME OF INVENTOR	2000-2001-2001-2001-2001-1201-1201-1201
nventor: Gary Robert Couture	Date:
Signature:	
LEGAL NAME OF INVENTOR	
inventor: Louis Anthony lannucci	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Scott M. Blandford	Date:
Signature.	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inve Use an additional PTO/SB/AIA01 form for each additional inventor.	antive entity, must accompany this form.

Title of Invention	VISUALIZAT	ION OF PERFORM COMPU	ANCE PARAM		ISTRIBUTED
This declaration and		d application, or			
assignment is directed to:		tes application or PCT	menagolai a	opiidauon numbe	4
DECLARATI	ON				
As a below i	named inventor, I he	ereby declare that:			
The shove.	identified annlication	was made or authoriz	ad ta ha mada	hu mo	
THE BOOKS	dentined application	i was made of admone	ed to be illede.	by me.	
I believe tha	at I am the original in	ventor or an original jo	int inventor of a	a claimed inventi	on in the application
		, , , , , , , , , , , , , , , , , , ,	2 T T T T T T T T T T T T T T T T T T T		art of the conference of the c
		willful false statement r ment of not more than			hable under 18
ASSIGNME	ти				
For good ar	id valuable consider	ation, the receipt and s	ufficiency of wi	nich is hereby ac	knowledged, I, the
undersigned	l, hereby sell, assigr	n, and transfer to <u>Teac</u> l	ners Insurance	and Annuity Ass	ociation of America,
a corporatio	n having a principal	place of business at 7:	30 Third Avenu	<u>e. N</u> ew York, NY	′ 10017.
("Assignee" the United S disclosed in and all provi divisional ap applications), and its successors states and all foreign the above identified sional applications, plications, continual , substitute applications	, assigns, and legal re countries, in and to an application and in and non-provisional application applications, renewal applications applications that have	presentatives, to and all inventions and all inventions at librations, utility appropriate prosecutions, reissue app	the entire right, to tions or improve ution (provisional plications, desigon applications, reexal	itle, and interest for ments that are or non-provisional) n applications, continuation-in-part minations,

and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR			
Inventor: Ethan Luke Michaud	Date:	***	
Signature:			
LEGAL NAME OF INVENTOR			
Inventor: Mathew Wade Pickering	Date:		• • • • • • • • • • • • • • • • • • •
Signature:			
LEGAL NAME OF INVENTOR			
Inventor: Nathaniel John Bates	Date:	***************************************	****
Signature:			

Anoracy Docket No. T2038.11

LEGAL NAME OF INVENTOR Inventor: Janusz M. Juda Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Thomas Steven Joyce Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: William Val Arneth III Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Latrisha Davon Whitehead Signature: attacke Lean H. E.	Date: 2/2//2014
LEGAL NAME OF INVENTOR Inventor: Gary Robert Coulure Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Louis Anthony lannucci Signature:	Date:
LEGAL NAME OF INVENTOR Inventor: Scott M, Blandford Signature:	Date:

Title of Invention	VISUALIZ4		MANCE PARAMETE	RS OF DISTRIBUT	ED
288.821881.6318		COM	PUTER SYSTEMS		
This	Ⅲ The attac	hed application, or			
declaration and	☐ United S	States application or P	CT international applicat	tion number	
assignment					***************************************
is directed to:					
DECLARATI	ION				
As a below r	named inventor, I	hereby declare that:			
The above-	identified applicate	on was made or auth	orized to be made by me	5.	
I believe tha	at I am the original	inventor or an origina	al joint inventor of a claim	ned invention in the ap	plication
			nt made in this declaration and five (5) years, or both		r 18
	w.c. ange				
ASSIGNME	: N 3				
			nd sufficiency of which is		
undersigned	i, hereby sell, ass	ign, and transfer to <u>I</u> t	eachers Insurance and A	<u>nnuity Association of </u>	<u>America.</u>
a <u>corporatio</u>	<u>ın</u> having a princip	al place of business a	it <u>730 Third Avenue, Ne</u> s	<u>w York, NY 10017.</u>	
the United S disclosed in and all prov divisional ap applications	States and all forely the above identification disional application optications, continuos, substitute applications	ign countries, in and to ed application and in s, non-provisional app uation applications, co ations, renewal applic	I representatives, the end any and all inventions of any and all inventions of and to said application (polications, utility application appointed prosecution applications, relissue applications of the applications of the applications are said to a filed applications.	or improvements that provisional or non-pro ons, design applicationalions, continuations, continuations, reexaminations.	are visional) ns.

Alterney Decket No. T2038.11

and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continuation applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR					
Inventor: Ethan Luke Michaud	 	Date:		*************************	
Signature:					
LEGAL NAME OF INVENTOR					
inventor: Mathew Wade Pickering		Date: _			
Signature:					
LEGAL NAME OF INVENTOR					
Inventor: Nathaniei John Bates		Date:	***************************************		2000

Note: An application data sheet (PTO/SS/14 or equivalent), including naming the entire inventive entry, must accompany this form,
Use an additional PTO/SS/AIA01 form for each additional inventor.

Attorney Docket No. T2038.11

Signature:

Title of Invention	VISUALIZATION OF PERFORMANCE PARAMETERS OF DISTRIBUTED COMPUTER SYSTEMS
This declaration and	The attached application, or United States application or PCT international application number
assignment is directed to:	filed on
DECLARATI	ON
As a below r	named inventor, I hereby declare that:
The above-	identified application was made or authorized to be made by me.
I believe tha	at I am the original inventor or an original joint inventor of a claimed invention in the application
	knowledge that any willful false statement made in this declaration is punishable under 18 I by fine or imprisonment of not more than five (5) years, or both.
ASSIGNME	
	nd valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the d, hereby sell, assign, and transfer to <u>Teachers Insurance and Annuity Association of America.</u>
a corporatio	n having a principal place of business at <u>730 Third Avenue, New York, NY 10017,</u>
the United S disclosed in), and its successors, assigns, and legal representatives, the entire right, title, and interest for states and all foreign countries, in and to any and all inventions or improvements that are the above identified application and in and to said application (provisional or non-provisional) isional applications, non-provisional applications, utility applications, design applications,
divisional apapplications	oplications, continuation applications, continued prosecution applications, continuation-in-part, substitute applications, renewal applications, reissue applications, reexaminations,
divisional apapplications	oplications, continuation applications, continued prosecution applications, continuation-in-part
divisional apapplications	oplications, continuation applications, continued prosecution applications, continuation-in-part, substitute applications, renewal applications, reissue applications, reexaminations,

and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filling of said application;

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covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR		
Inventor: Ethan Luke Michaud	Date:	
Signature:		
LEGAL NAME OF INVENTOR		
Inventor: Mathew Wade Pickering	Date:	
Signature:		
LEGAL NAME OF INVENTOR		
Inventor: Nathaniel John Bates	Date:	
Signature:		

LEGAL NAME OF INVENTOR	
Inventor: Janusz M. Juda	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Thomas Steven Joyce	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: William Val Arneth III	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Latrisha Devon Whitehead	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Gary Robert Couture	Date:
Signature:	
LEGAL NAME OF INVENTOR	
Inventor: Louis Anthony lannucci	Feb 25, 2014
Signature: De De Proprese	
LEGAL NAME OF INVENTOR	
Inventor: Scott M. Blandford	Date:
Signature:	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entir Use an additional PTO/SB/AIA01 form for each additional inventor.	e inventive entity, must accompany this form.

Title of Invention	V	ISUALIZA'	TION OF I		ANCE PAI TER SYS		ERS OF	DISTR	IBUTED	
This declaration and assignment	⊠ ∐ filed		ed application	on, ar ition or PCT	Internation	a) applica	ation nun	ıber		
is directed to:										
DECLARATI	ON									
As a below r	named	inventor, 1 h	ereby decl	are lhat:						
The above-i	dentifie	ed applicatio	n was made	or authoriz	ed to be m	ade by m	(6 .			
I believe tha	it i am i	the original i	nventor or a	ın original j o	int inventor	of a clai	med inve	ntion in	the applicat	tion
I hereby ack U.S.C. 1001								nishable	under 18	
ASSIGNME	NT									
For good an	d value	ıble conside	ration, the r	eceipt and s	ufficiency o	of which i	s hereby	acknow	ledged, I, th	10
undersigned	i, heret	y sell, assig	n, and trans	sfer to <u>Teact</u>	<u>jers Insura</u>	nce and	Annuity A	<u> Issociati</u>	on of Ameri	ica.
a <u>corporatio</u>	navin	g a principal	place of bu	usiness at <u>73</u>	30 Third Av	<u>enue. Ne</u>	w York,	NY 100	<u></u>	
("Assignee") the United S disclosed in and all provis divisional ap applications, extensions,	tates a the abo sional a plicatio substi	nd all foreigo ove identified applications, ns. continua tute applicat	n countries, d application non-provisi tion applications, renew	in and to ar and in and lonal applica itions, contir al applicatio	ny and all ir to said apputions, utility nued prosed ns, reissue	iventions olication y applicat oution ap applicati	or impro (provision lions, des plications ions, ree	vement nai or no sign app s, contin kaminat	s that are in-provision lications, uation-in-pa ons,	ıal)
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and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said application;

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covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

LEGAL NAME OF INVENTOR		
Inventor: Ethan Luke Michaud Signature:	Date:	
LEGAL NAME OF INVENTOR Inventor: Mathew Wade Pickering Signature:	Date:	
LEGAL NAME OF INVENTOR Inventor: Nathaniel John Bates Signature:	Date:	

LEGAL NAME OF INVENTOR										
Inventor: <u>Janusz M. Juda</u>	Ж Миникинци н ,	, <u></u>	IMMARARA (COLOR)	: :	Date: _		es-ou-enement	000000100000	4*************************************	
Signature:										
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Inventor: Thomas Steven Joyce	, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		***************************************	00000	Date:	30000004**********		00000000000000000000000000000000000000		
Signature:		**************************************				***************************************			7000000014aaaaaaa	
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Inventor: William Val Arneth III	NG CONTROL OF THE PARTY OF THE	~~~~		33333aaaaaa	Date: _	AND AND AND AND AND AND AND AND AND AND 		nanana kuuuuuuuuu		
Signature:		***************************************	***************************************	7070004********************************		YY000000	***************************************	***************************************		
LEGAL NAME OF INVENTOR	K00000000000000	Barren Comment	***************************************	000000000000000000000000000000000000000	contractivistal deliberation	200000000000000000000000000000000000000	***************************************	2000000000000000000000000000000000000		
Inventor: Latrisha Devon Whitehead	Enveronment	~ <u>;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;</u>	***************************************		Date:		naanaanaanaa		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Signature:	P/CECE-Chikkanana		annand de la composición del composición de la c	To Hotel sanaans		P ^{OCODIA}		**************************************		
LEGAL NAME OF INVENTOR	90000000000000	200000000000000000000000000000000000000	(0000000000000000000000000000000000000	000000000000000000000000000000000000000	10000000000000000000000000000000000000	000000000000000000000000000000000000000	100000000000000000000000000000000000000		300000000000000000000000000000000000000	*****
Inventor: Gary Robert Couture	<u> -</u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	поперопостана	Morrowen	Date: _	AAA Sii in aan aa a				
Signature:	**************************************	DOOLARA ANNA ANNA ANNA ANNA ANNA ANNA ANNA	***************************************	and with the state of the state		CONTROL MANAGEMENT	**	**************************************	<u> </u>	4
LEGAL NAME OF INVENTOR	M0000000000000000000000000000000000000	000000000000000000000000000000000000000	***************************************	000000000000000000000000000000000000000	60000ddacuucuqqqqqqq	***************************************	000000000000000000000000000000000000000	***************************************	00000000000000000000000000000000000000	0000
Inventor: Louis Anthony lannucci	. Programment .	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		nutibus and a second	Date: _	Jihananananan nyag		······		
Signature:	Security of the second					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
LEGAL NAME OF INVENTOR	99000000	***************************************	:	100000000000000000000000000000000000000	000000000000000000000000000000000000000	***************************************	000000000000000000000000000000000000000	••••••	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Inventor: Scott M. Blandford					Date: _	2/26/	2114			
Signature:	annungan					*************				