503385622 07/09/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3432246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT M. DUNSKY	06/30/2015
XIAOMING ZHOU	06/30/2015
MICHAEL J. KANE	07/09/2015
MING H. CHOW	06/30/2015
XIAOQIANG HU	06/30/2015
ANDREW P. VARRIEUR	06/30/2015

RECEIVING PARTY DATA

Name:	GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE DIRECTOR, FEDERAL HOUSING FINANCE AGENCY
Street Address:	400 7TH STREET, SW
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14795470

CORRESPONDENCE DATA

Fax Number: (443)283-8430

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.

Phone: 4432837000

Email: rahman@rahmanllc.com, martins@rahmanllc.com

Correspondent Name: RAHMAN LLC

Address Line 1: 10025 GOVERNOR WARFIELD PARKWAY

Address Line 2: SUITE 212

Address Line 4: COLUMBIA, MARYLAND 21044

ATTORNEY DOCKET NUMBER:	FHFA.1001
NAME OF SUBMITTER:	MOHAMMAD S. RAHMAN
SIGNATURE:	/Mohammad S. Rahman/
DATE SIGNED:	07/09/2015

PATENT 503385622 REEL: 036048 FRAME: 0351

Total Attachments: 6 source=FHFA.1001_Assignment1_07092015#page1.tif source=FHFA.1001_Assignment2_07092015#page1.tif source=FHFA.1001_Assignment3_07092015#page1.tif source=FHFA.1001_Assignment4_07092015#page1.tif source=FHFA.1001_Assignment5_07092015#page1.tif source=FHFA.1001_Assignment6_07092015#page1.tif



FHFA Form #100 (06/2015)

ASSIGNMENT OF INVENTION

Title of Invention: DAT	A ANALYTICS DATABASE AND F	LATFORM SYSTEM AND METHOD
Inventor(s):	2064+ M.D	unstry
I (We), the unders		of the rights of the Government of the United States acquired by
the entire right, title an above-entitled inventio	d interest throughout the United St n and application for patent and	as represented by the Director, Federal Housing Finance Agency, ates, its Territories, Possessions, and Puerto Rico, in and to the d all Letters Patent issuing thereon, and any continuation, reissue or extension of said Letters Patent.
in which the Governme an application to be filed foreign country or fails invention in such foreig Government in any pa	nt, within eight months of the filing d; provided that if the Government of s to make such a determination, w n country shall remain in me (us), s tent which may issue on the inve	uest, title and interest in the invention in those foreign countries g of the United States application for patent, determines to cause letermines not to cause an application to be filed in any particular within the said eight months, all right, title and interest in the subject to a nonexclusive, irrevocable, royalty-free license to the sention in such foreign country, including the power to issue erance of the foreign policies of the Government.
necessary to the prosec patents issuing thereon,	ution of patent applications on the	in my (our) knowledge and to execute any further documents invention, to the recording of title to patent applications and nt of any <i>inter partes</i> proceeding, post-grant review or litigation using thereon.
Signature of Inventor:	(First name)	(Middle initial) (Last name)
		ington, DC 20024
Date: June 30	, 2015 Type or Print Name of	Inventor: Robert M. Dunsliy

State of District of City Washing	. , , , , , , , , , , , , , , , , , , ,	
On the above date the foregoing instrument	ober M. Dunsky duly appeared before me and acknowl	known to me to be the individual described in and who executed edged to me that the same as his own free act and deed.
5-74-2018	JACQUELINE T. CONAWAY NOTARY PUBLIC DISTRICT OF COLUMB My Commission Expires May 14, 2018	(Signature of Notary Public)
Act of Columbia		My Commission expires on May 14, 2018
***************************************	D	URLIC

PUBLIC



FHFA Form #100 (06/2015)

ASSIGNMENT OF INVENTION

Title of Invention: DATA ANALYTICS DATABASE AND PLATFORM SYSTEM AND METHOD
Title of Invention: DATA ANALYTICS DATABASE AND PLATFORM SYSTEM AND METHOD Inventor(s): Z (Quality 7)
I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:
1. Assign to the Government of the United States, as represented by the Director, Federal Housing Finance Agency, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, to the recording of title to patent applications and patents issuing thereon, and to the prosecution and settlement of any <i>inter partes</i> proceeding, post-grant review or litigation resulting from the issuance or enforcement of any patent issuing thereon.
Signature of Inventor: Z (First name) (Middle initial) (Last name)
Duty Address: 400 7th St. SW, Warlington, DC 20004
Date: 6/30/2015 Type or Print Name of Inventor: Xiaoming 7 hou

State of District of Columbia) City SS. Some of Washington SS.
On the above date Xiaoming Zhou known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.
JACQUELINE T. CONAWAY NOTARY PUBLIC DISTRICT OF COLUMBIA My Commission Expires May 14, 2018 S-14-2018
My Commission expires on May 14, 2018

PUBLIC



FHFA Form #100 (06/2015)

ASSIGNMENT OF INVENTION

Title of Invention: DATA ANALYTICS DATABASE AND PLATFORM SYSTEM AND METHOD
Inventor(s): Michael Kane
I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:
1. Assign to the Government of the United States, as represented by the Director, Federal Housing Finance Agency, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, to the recording of title to patent applications and patents issuing thereon, and to the prosecution and settlement of any <i>inter partes</i> proceeding, post-grant review or litigation resulting from the issuance or enforcement of any patent issuing thereon.
Signature of Inventor: (First name) (Middle initial) (Last name)
Duty Address: Constitution Center, 400 7th Street, SW, Washington, DC 20024
Date: Toly 9, 2015 Type or Print Name of Inventor: Michael Kane
State of District of Columbia) State of Washington) SS.
On the above date Michael T. Kane known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.
JACQUELINE T. CONAWAY NOTARY PUBLIC DISTRICT OF COLUMBIA My Commission Expires May 14, 2018 My Commission expires on May 14, 2018
Million Of Contract.



FHFA Form #100 (06/2015)

ASSIGNMENT OF INVENTION

Title of Invention:	FORM SYSTEM AND METHOD	
Title of Invention: DATA ANALYTICS DATABASE AND PLAT		
I (We), the undersigned inventor(s), in consideration of the virtue of the circumstances under which the above-entitled inventor	e rights of the Government of the United	States acquired by
1. Assign to the Government of the United States, as re the entire right, title and interest throughout the United States, above-entitled invention and application for patent and al continuation-in-part or division of said application and any reissu	its Territories, Possessions, and Puerto 1 Letters Patent issuing thereon, and	Rico, in and to the
2. Agree to assign to the Government upon its request, in which the Government, within eight months of the filing of the an application to be filed; provided that if the Government determination country or fails to make such a determination, within invention in such foreign country shall remain in me (us), subject Government in any patent which may issue on the invention sublicenses for use in behalf of the Government and/or furtherance.	the United States application for patent, of mines not to cause an application to be fill in the said eight months, all right, title act to a nonexclusive, irrevocable, royalty on in such foreign country, including t	determines to cause ed in any particular and interest in the r-free license to the he power to issue
3. Agree to provide any further information within mecessary to the prosecution of patent applications on the invested patents issuing thereon, and to the prosecution and settlement of resulting from the issuance or enforcement of any patent issuing	rention, to the recording of title to pater f any <i>inter partes</i> proceeding, post-grant	nt applications and
Signature of Inventor: (First name)	(Middle initial)	
(First name)	/3 F · 1 11 · · · · 1 · 1 ·	/ T
` ,	(Middle initial)	(Last name)
		. 4.
Duty Address: 400 7th Stocet SW. Date: 6/30/2015 Type or Print Name of Inventor	Washington, De	2 20034
Duty Address: 400 7th Stocet SW	Washington, De entor: Ming H. Chon	2 20034
Duty Address: 400 17th Stocet SW. Date: 3/32/2015 Type or Print Name of Inventor	Washington, De entor: Ming H. Chon	2 20034
Duty Address: 400 17th Stocet SW. Date: 6/30/5015 Type or Print Name of Inventor State of District of Columbia SS. Washington SS.	entor: Ming H. Chon ***********************************	n and who executed
Duty Address: 400 17th Stocet SW. Date: 6/30/2015 Type or Print Name of Inventor State of 18thct of Columbia SS. On the above date Mung H. Chow k	entor: Ming H. Chon ***********************************	n and who executed did deed.

PUBLIC



234088884 × 134× 1,43

FEDERAL HOUSING FINANCE AGENCY

FHFA Form #100 (06/2015)

ASSIGNMENT OF INVENTION

tes acquired by
inance Agency, o, in and to the or continuation,
reign countries mines to cause any particular interest in the elicense to the power to issue
her documents oplications and ew or litigation
Hid ast name)
DC 20024
d who executed ed.
oay

PUBLIC



FHFA Form #100 (06/2015)

ASSIGNMENT OF INVENTION

Title of Invention: DATA ANALYTICS DATABASE AND PLATFORM SYSTEM AND I	METHOD
Inventor(s): Audrew Varviror	
I (We), the undersigned inventor(s), in consideration of the rights of the Governm virtue of the circumstances under which the above-entitled invention was made, hereby:	ent of the United States acquired by
1. Assign to the Government of the United States, as represented by the Director the entire right, title and interest throughout the United States, its Territories, Possessi above-entitled invention and application for patent and all Letters Patent issuir continuation-in-part or division of said application and any reissue or extension of said Letters.	ions, and Puerto Rico, in and to the ag thereon, and any continuation,
2. Agree to assign to the Government upon its request, title and interest in the in which the Government, within eight months of the filing of the United States applican application to be filed; provided that if the Government determines not to cause an appropriate foreign country or fails to make such a determination, within the said eight months invention in such foreign country shall remain in me (us), subject to a nonexclusive, im Government in any patent which may issue on the invention in such foreign country sublicenses for use in behalf of the Government and/or furtherance of the foreign policies.	ation for patent, determines to cause plication to be filed in any particular s, all right, title and interest in the revocable, royalty-free license to the ntry, including the power to issue
3. Agree to provide any further information within my (our) knowledge and necessary to the prosecution of patent applications on the invention, to the recording patents issuing thereon, and to the prosecution and settlement of any <i>inter partes</i> proceduresulting from the issuance or enforcement of any patent issuing thereon.	g of title to patent applications and
Cunda P	
Signature of Inventor: (First name) (Middle initial)	(Last name)
(First name) (Middle initial)	` ,
Duty Address: 400 7 5 5 5 4 4/2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	` ,
(First name) (Middle initial)	20024 P Varrizor
Duty Address: 400 7 St. SW. Washington, DC Date: C(30/15 Type or Print Name of Inventor: Audress	20024 P Varrizor
Duty Address: 400 7 St. Sw. Washington DC Date: C(30/15 Type or Print Name of Inventor: Audrew State of District of Columbia) SS. SS. County of Washington (Middle initial) SS. SS.	20024 P Varrizur * ividual described in and who executed
Duty Address: 400 7 St. W. Washington, Down Date: 400 7 St. Type or Print Name of Inventor: 400 State of 15 Type or Print Name of Inventor: 400 St. State of 15 Type or Print Name of Inventor: 400 St.	20024 P Varrizur * ividual described in and who executed

PUBLIC

RECORDED: 07/09/2015

PATENT

REEL: 036048 FRAME: 0358