508030830 07/26/2023

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
YUANG TANG	05/10/2017

RECEIVING PARTY DATA

Name:	FEDERAL HOME LOAN MORTGAGE CORPORATION	
Street Address:	8200 JONES BRANCH DRIVE	
City:	MCLEAN	
State/Country:	VIRGINIA	
Postal Code:	22102	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16671143	

CORRESPONDENCE DATA

Fax Number: (202)408-4400

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: 2024084000

Email: regional-desk@finnegan.com
Correspondent Name: FINNEGAN HENDERSON
Address Line 1: 901 NEW YORK AVE., N.W.
Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	05997.0071-02000
NAME OF SUBMITTER:	SYLVIA HELMS
SIGNATURE:	/SYLVIA HELMS/
DATE SIGNED:	07/26/2023

Total Attachments: 1

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PATENT 508030830 REEL: 064385 FRAME: 0635

ASSIGNMENT

WHEREAS We, the below named inventors (hereinafter referred to as Assignors) have made an invention entitled:

SYSTEMS AND METHODS FOR GENERATING AND IMPLEMENTING KNOWLEDGE GRAPHS FOR KNOWLEDGE REPRESENTATION AND ANALYSIS

filed herewith; and

WHEREAS, Federal Home Loan Mortgage Corporation, a corporation of Virginia whose post office address is 8200 Jones Branch Drive, McLean, VA 22102 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the provisional application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 62/335,580, filed May 12, 2016, and all applications claiming priority to this provisional application, including all subsequent non-provisional applications, divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application, as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, We HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, We HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all non-provisional, divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

Gounty of FAIRFAX)	Name:	Yuang Tang
	SS.	Address:	224 S. Chester Street 328 S. BROADWAY
Comminueal the State of VIRGINIA)	g.··	Baltimore MD 21231 BALTIMORE, MD 21231
State of)	Ву:	
		Date:	05/6/2017
Subscribed and sworn to before me	this <u>/</u> day ary Public	of Mag	_, 20 <u>/</u>



Karen Aszilee Jackson NOTARY PUBLIC Commonwealth of Virginia Reg. #7302939 My Commission Expires December 31, 2017

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