

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5573267

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THOMSON REUTERS (MARKETS) LLC	06/17/2018
RECEIVING PARTY DATA	
Name:	THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY
Street Address:	NEUHOFSTRASSE 1
City:	BAAR
State/Country:	SWITZERLAND
Postal Code:	6340
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16422674
CORRESPONDENCE DATA	
Fax Number:	(502)614-6980
<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:	5026146970
Email:	kduncan@dgeglaw.com
Correspondent Name:	KEVIN T. DUNCAN
Address Line 1:	9625 ORMSBY STATION ROAD
Address Line 4:	LOUISVILLE, KENTUCKY 40223
ATTORNEY DOCKET NUMBER:	113027.000087US5
NAME OF SUBMITTER:	KEVIN T. DUNCAN
SIGNATURE:	/Kevin T. Duncan/
DATE SIGNED:	06/14/2019
Total Attachments: 3	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5012584

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THOMSON REUTERS (MARKETS) LLC	06/17/2018
RECEIVING PARTY DATA		
Name:	THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY	
Street Address:	NEUHOFSTRASSE 1	
City:	6340 BAAR	
State/Country:	SWITZERLAND	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15609800
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	shannon.fritsche@thomsonreuters.com	
Correspondent Name:	THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY	
Address Line 1:	NEUHOFSTRASSE 1	
Address Line 4:	6340 BAAR, SWITZERLAND	
ATTORNEY DOCKET NUMBER:	TRGR(CT&O)_007_US4	
NAME OF SUBMITTER:	SHANNON FRITSCHKE	
SIGNATURE:	/Shannon Fritsche/	
DATE SIGNED:	06/19/2018	
Total Attachments: 2		
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source=TRGR(CT&O)_007_US4_Thomson Reuters (Markets) LLC - Thomson Reuters Global Resources Unlimited Compan#page2.tif		

ASSIGNMENT

We, **Thomson Reuters (Markets) LLC**, a Delaware company, and having an office and place of business at Thomson Reuters, 3 Times Square, New York NY 10036, United States of America (hereinafter referred to as "Assignor"), has acquired the entire right, priority right, title and interest in to certain new and useful inventions and improvements described in an application for Letters Patent of the United States entitled **MACHINE LEARNING-BASED RELATIONSHIP ASSOCIATION AND RELATED DISCOVERY AND SEARCH ENGINES**, the application being identifiable in the United States Patent and Trademark Office by Application No. **15/609,800** filed **May 31, 2017**.

AND WHEREAS, **Thomson Reuters Global Resources Unlimited Company**, an Irish unlimited company, having a place of business at Neuhofstrasse 1, 6340 Baar, Switzerland (hereinafter "Assignee"), desires to acquire the entire right, title and interest in and to the inventions, the application, and in any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

DocuSigned by:
Carolyn Blankenship
32168895C665435...

Authorized Signature

DATE: 17/6/2018

Name: Carolyn Blankenship

Title: Senior Vice President & Assistant Secretary

Thomson Reuters (Markets) LLC

DocuSigned by:
Thomas Kretschmer
AFF6EC924E3D4F3...

Authorized Signature

DATE: 19/6/2018

Name: Thomas Kretschmer

Title: Senior Counsel IP

Thomson Reuters Global Resources Unlimited Company