### 505436417 04/19/2019

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
MUSTAFA CANIM	04/18/2019
CRISTINA CORNELIO	04/19/2019
ARUN IYENGAR	04/18/2019
RYAN A. MUSA	04/18/2019
MARIANO RODRIGUEZ MURO	04/19/2019

### **RECEIVING PARTY DATA**

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City:	ARMONK
State/Country:	NEW YORK
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16389073

### **CORRESPONDENCE DATA**

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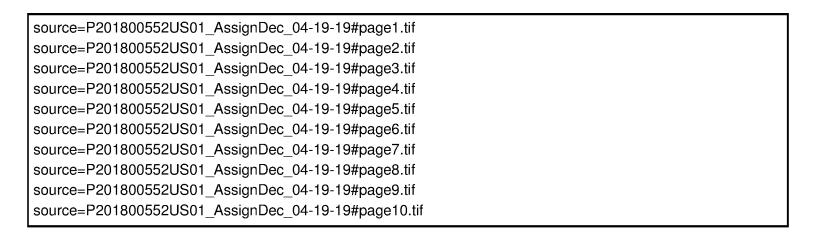
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ATTORNEY DOCKET NUMBER:	P201800552US01
NAME OF SUBMITTER:	JOSE GUTMAN
SIGNATURE:	/Jose Gutman/
DATE SIGNED:	04/19/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
T	•

Total Attachments: 10

PATENT REEL: 048935 FRAME: 0825



PATENT REEL: 048935 FRAME: 0826

## DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: AUTOMATIC TRANSFORMATION OF COMPLEX TABLES IN DOCUMENTS INTO COMPUTER UNDERSTANDABLE STRUCTURED FORMAT AND PROVIDING SCHEMA-LESS QUERY SUPPORT DATA EXTRACTION

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This declaration is directed to the attached application, or (if following box is checked):
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The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.
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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Mustafa CANIM

No./		
Signature:	Date:	04/18/2019
(2) Legal Name of Inventor: Mariano RODRIGUEZ MURO		
Signature:	Date:	
(3) Legal Name of Inventor: <b>Ryan A. MUSA</b>		
Signature:	Date: _	
(4) Legal Name of Inventor: <b>Arun IYENGAR</b>		
Signature:	Date: _	
(5) Legal Name of Inventor: Cristina CORNELIO		
Signature:	Data:	

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(1) Legal Name of Inventor: Mustafa CANIM		
Signature:	Date:_	***************************************
(2) Legal Name of Inventor: Mariano RODRIGUEZ MURO		uhala
Signature:	Date: _	9/19/19
(3) Legal Name of Inventor: Ryan A. MUSA		
Signature:	Date:_	
(4) Legal Name of Inventor: Arun IYENGAR		
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Signature:	Date:		
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Signature:	Date:		epochelo
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Signature: Nyun Muse	Date:	4/18/19	~~
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Signature:	Date:	
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Signature:	Date: j	
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Signature:	_ Date:
(5) Legal Name of Inventor: <b>Cristina CORNELIO</b> Signature  Date: 19 <sup>th</sup> April 20	10
Signature Date: 19 <sup>th</sup> April 20	19