#### 06/12/2019 505521312

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5568117

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PATHIRAGE D.S.U. PERERA	06/07/2019
EITAN D. FARCHI	06/09/2019
ORNA RAZ	06/10/2019
RAMANI ROUTRAY	06/07/2019
SHENG HUA BAO	06/11/2019
MARCEL ZALMANOVICI	06/10/2019

## **RECEIVING PARTY DATA**

Name:	International Business Machines Corporation
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16438837

## **CORRESPONDENCE DATA**

Fax Number: (301)762-4056

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: 301-424-3640

epatent@usiplaw.com Email:

EDELL, SHAPIRO & FINNAN, LLC **Correspondent Name:** 9801 WASHINGTONIAN BOULEVARD Address Line 1:

Address Line 2: SUITE 750

Address Line 4: GAITHERSBURG, MARYLAND 20878

ATTORNEY DOCKET NUMBER:	P201800925US01/0920.0664C
NAME OF SUBMITTER:	JAMES H. MAYFIELD
SIGNATURE:	/James H. Mayfield/
DATE SIGNED:	06/12/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 049447 FRAME: 0823 505521312

# **Total Attachments: 15** source=Assign-Dec#page1.tif source=Assign-Dec#page2.tif source=Assign-Dec#page3.tif source=Assign-Dec#page4.tif source=Assign-Dec#page5.tif source=Assign-Dec#page6.tif source=Assign-Dec#page7.tif source=Assign-Dec#page8.tif source=Assign-Dec#page9.tif source=Assign-Dec#page10.tif source=Assign-Dec#page11.tif source=Assign-Dec#page12.tif source=Assign-Dec#page13.tif source=Assign-Dec#page14.tif source=Assign-Dec#page15.tif

PATENT REEL: 049447 FRAME: 0824

# 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: GENERATING TRAINING SETS TO TRAIN MACHINE LEARNING MODELS

As a below named and undersigned inventor, I hereby declare that:
This declaration is directed to the attached application, or (if following box is checked):
United States application or PCT international application number
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.
l 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 C.F.R. § 1.56.
Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby scknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 me had this Assignment not been made; and I agree 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, 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.

Signature:		
(i) Legal Name of In	ventor: Pathirage D. S. U. Perera	
Signature:	***************************************	Date:
(2) Legal Name of It	iventor: Eitan D. Furchi	
Signature:		Daie:
(3) Legal Name of Ir	ventor: Orna Raz	
Signature:	Liv.	Date: 06/07/2019
(4) Legal Name of Ir	iventor: Ramani Routray	
Signature:		Date:
(5) Legal Name of In	ventor: Sheng Hua Bao	

Signature:		Date:
:00000 TO		
(6) Legal Name of Inventor: Marcel Za	ilmanovici	

Page 3 of 3

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Signature:	Date:
(1) Legal Name of Inventor: Pathirage D. S. U. Perera	
Signature:  (2) Legal Name of Missator: Eitan D. Farchi	
Signature:	Date:
(3) Legal Name of Inventor: Orna Raz	
Signature;	Date:
(4) Legal Name of Inventor: Ramani Routray	
Signature:	Date:
(5) Legal Name of Inventor: Sheng Hua Bao	

Signature:	Date:
(6) Legal Name of Inventor:	Marcel Zalmanovici

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Signature:	Date:
(1) Legal Name of Inventor: Pathirage D. S. U. Perera	
Signature:	Date:
(2) Legal Name of Inventor: Eitan D. Farchi	
Signature: Orna Raz	Date: <u>10 June 2019</u>
(3) Legal Name of Inventor: Orna Raz	
Signature:	Date:
(4) Legal Name of Inventor: Ramani Routray	
Signature:	Date:
(5) Legal Name of Inventor: Sheng Hua Bao	

Signature	\$				***************************************
(6) Legal	Name of Inventor	Marcel Zalman	ovici		

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Signature:	Date:
(1) Legal Name of Inventor: Pathirage D. S. U. Perera	
*	*
Signature:	Date:
(2) Legal Name of Inventor: Eltan D. Farchi	
Signature:	Date:
(3) Legal Name of Inventor: Orna Raz	
**************************************	×
Signature:	Date:
(4) Legal Name of Inventor: Ramani Routray	
Signature: Siveraley, Hac	Date: 06/11/245

Signature							Date:_	·····	
(6) Lega	Name	af Inven	tor Ma	crel Zah	Solumen				

Page 3 of 3

PATENT REEL: 049447 FRAME: 0836

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(1) Legal Name of Inventor: Pathirage D. S. U. Perera	
67	
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Signature:	Date:
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Signature:	Date:
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Signature:	
(5) Legal Name of Inventor: Sheng Hua Bao	

-	1		
Signature: $-$	)	Date:	10-Jun-2019

(6) Legal Name of Inventor: Marcel Zalmanovici

Page 3 of 3