505505661 06/03/2019

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT5552465

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

Corrective Assignment to correct the SPELLING OF TWO INVENTORS
LAST NAMES previously recorded on Reel 047509 Frame 0677.
Assignor(s) hereby confirms the CORRECT SPELLING OF INVENTOR 3
AND 5 TO BE CARVALHO AND KORMAKSSON.

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------------------|----------------|
| JORGE L. GUEVARA DIAZ | 01/04/2019 |
| BIANCA ZADROZNY | 12/12/2018 |
| BRENO W. SANTOS REZENDE DE CARVALHO | 12/12/2018 |
| ALVARO B. BUORO | 12/12/2018 |
| MATTHIAS KORMAKSSON | 01/07/2019 |

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: | 16191112 |

CORRESPONDENCE DATA

Fax Number:

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.

Email: PTOCommunications@hoffmanwarnick.com,

mmathews@hoffmanwarnick.com

Correspondent Name: HOFFMAN WARNICK LLC

Address Line 1: 540 BROADWAY

Address Line 2: FLOOR 4

Address Line 4: ALBANY, NEW YORK 12207

| ATTORNEY DOCKET NUMBER: | P201801592US01 |
|-------------------------|----------------------|
| NAME OF SUBMITTER: | MICHAEL F. HOFFMAN |
| SIGNATURE: | /Michael F. Hoffman/ |
| DATE SIGNED: | 06/03/2019 |

PATENT 505505661 REEL: 049351 FRAME: 0781

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6

source=P201801592US01_CorrectedCombinedAssignmentDeclaration_06-03-19#page1.tif source=P201801592US01_CorrectedCombinedAssignmentDeclaration_06-03-19#page2.tif source=P201801592US01_CorrectedCombinedAssignmentDeclaration_06-03-19#page3.tif source=P201801592US01_CorrectedCombinedAssignmentDeclaration_06-03-19#page4.tif source=P201801592US01_CorrectedCombinedAssignmentDeclaration_06-03-19#page5.tif source=P201801592US01_CorrectedCombinedAssignmentDeclaration_06-03-19#page6.tif

PATENT REEL: 049351 FRAME: 0782

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: MACHINE LEARNING PLATFORM FOR PROCESSING DATA MAPS

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):

[X] United States application or PCT international application number 16/191,112 filed on 11/14/2018

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.

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 acknowledged, 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.

Page 1 of 2

IBM DOCKET NUMBER: P201801592US01

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any teason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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

| (1) | Legal Name of Inventor: | Jorge L. Guevara Diaz | | | |
|-----|---------------------------|------------------------|---------------|----------|----------|
| | Signature: < | (M) | | 04 Jesev | 20 |
| (2) | Legal Name of Inventor: | | | | |
| : | Signature: | ÷ | Date | | |
| (3) | Legal Name of Inventor: | Breno W. Santos Rezend | e de Carvalho | | |
| | Signaturë: | | Oate; | | stienejs |
| (4) | Legal Name of Inventor: | Alvaro B. Buoro | | | |
| : | Signature: | | Date: | | ņii. |
| (5) | Legal Name of Inventor: l | Matthias Kormaksson | | | |
| , | Signature: | | Date | | **** |

Page 2 of 2

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U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

| (1) | Legal Name of Inventor Jorge L. Guevara Diaz | |
|-----|---|-----------------|
| | Signature | Date: |
| (2) | Legal Name of Inventor: Bianca Zudrozny | |
| | Signaure 42010 2040 104 | isme 12/12/2018 |
| (3) | Legal Name of Inventor: Breno W. Santos Rezende de Carvalho | |
| | 819mmrs D2629 1562 15 | Duc 1421422613 |
| (4) | Legal Name of Inventor, Alvara B. Buoro | |
| | 5ignavare: <u>II (II) ZZ</u> 12 <u>4:7</u> | |
| (5) | Legal Name of Inventor: Matthias Kormaksson | |
| | Signature: | Date: |

Page 2 of 2

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Page 1 of 2

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Therefore is known to be that any wift of false statement made to this declaration is purposed by under \$8. U.S.C. 1801 by fine or improvement of according tive (\$) years or both.

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| Signification | Die |
| Colonia Sanco Carron Blanca Zadrovne | |
| Sugnature | Date |
| (5) Lega Name of Inventor Breno W. Santos Rezende de Carvalho | |
| State Control of the | |
| On Lague Name of Inventor Afraro B. Bases | |
| Asserts | |
| Contract Contract Contract Matthew Assessables | |
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