

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7704878

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GUILHERME GOMES	12/13/2022
BRUNO APEL	12/13/2022
JARISMAR SILVA	12/13/2022
VINCENT KELLERS	12/12/2022
ROBERTO RODRIGUES DIAS	12/13/2022
ROBERTO MASIERO	12/14/2022
ROBERTO SILVEIRA	12/13/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADP, INC.
<b>Street Address:</b>	ONE ADP BOULEVARD
<b>City:</b>	ROSELAND
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07068
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	18068736
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)344-8300
<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>	
<b>Phone:</b>	2023444000
<b>Email:</b>	JAKaminski.team@Venable.com, PTOMail@Venable.com
<b>Correspondent Name:</b>	VENABLE LLP
<b>Address Line 1:</b>	600 MASSACHUSETTS AVE NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001
<b>ATTORNEY DOCKET NUMBER:</b>	27319.571541
<b>NAME OF SUBMITTER:</b>	JEFFRI A. KAMINSKI
<b>SIGNATURE:</b>	/Jeffri A. Kaminski/
<b>DATE SIGNED:</b>	12/20/2022

**Total Attachments: 9**

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**WORLDWIDE ASSIGNMENT**

**WHEREAS** Guilherme GOMES, Bruno APEL, Jarismar SILVA, Vincent KELLERS, Roberto Rodrigues DIAS, Roberto MASIERO and Roberto SILVEIRA, hereinafter referred to as Assignor, invented a certain improvement relating to **SYSTEM AND METHOD FOR QUERY AUTHORIZATION AND RESPONSE GENERATION USING MACHINE LEARNING**, for which said assignor has caused a patent application to be prepared,

☐ the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the U.S. Patent and Trademark Office;

☐ said application having been filed in the U.S. Patent and Trademark Office on \_\_\_\_\_, and given Application No. \_\_\_\_\_;

☒ said U. S. Non-Provisional Application having been filed in the U.S. Patent and Trademark Office on **May 1, 2020**, and given Application No. **16/864,931**;

☒ said application having been filed under the Patent Cooperation Treaty on **April 28, 2021**, and given International Application No. **PCT/US2021/029625** the United States of America having been designated.

Having previously executed an assignment for said inventions and applications to Automatic Data Processing, Inc. and *having now been advised that the legal name should have read "ADP, Inc.", hereby corrects that Assignment to confirm Assignor's original intent as of the original execution date(s); namely*

WHEREAS, **ADP, INC.**, having a principal place of business located at **One ADP Boulevard, Roseland, NJ 07068**, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, any non-provisional application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

**WORLDWIDE ASSIGNMENT**

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors, and assigns, to obtain, maintain and enforce proper patent protection for said invention.

Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**WORLDWIDE ASSIGNMENT**

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

All practitioners at Customer Number **26694**

[Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.]

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

Dated this 13 day of December, 2022.

WITNESS:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

**ASSIGNOR:**

Signature:  \_\_\_\_\_

Name: Guilherme GOMES

Address: Rua Gutemberg 101 - apto 1208

Porto Alegre - RS, 91310-010, Brazil

**WORLDWIDE ASSIGNMENT**

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

Dated this 13 day of December, 2022.

WITNESS:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

**ASSIGNOR:**

Signature: \_\_\_\_\_ 

Name: Bruno APEL

Address: Rua Irmão José Otão 540 - apto  
Porto Alegre - RS, 90035-060,

**WORLDWIDE ASSIGNMENT**

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

Dated this 13 day of December, 2022.

WITNESS:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

**ASSIGNOR:**

Signature: Jarismar Chaves da Silva

Name: Jarismar SILVA

Address: Rua Angelo Crivellaro, 680 Ap. 204

Jardim do Salso, POA, RS, CEP 91410-080

**WORLDWIDE ASSIGNMENT**

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

Dated this 12th day of December, 2022.

WITNESS:

**ASSIGNOR:**

Signature: \_\_\_\_\_

Signature: Vkellers

Name: \_\_\_\_\_

Name: Vincent KELLERS

Address: 300 Glenwood ave apt 535

Bloomfield NJ 07003

**WORLDWIDE ASSIGNMENT**

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

Dated this 13 day of December, 2022.

WITNESS:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

ASSIGNOR:

Signature: Roberto Dias

Name: Roberto Rodrigues DIAS

Address: 885 SILVA JARDIM

Apt: 502, P.O., RS - 90450071

**WORLDWIDE ASSIGNMENT**

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

Dated this 14 day of December 2022.

**ASSIGNOR:**

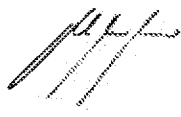
Signature: \_\_\_\_\_

**WITNESS:**

Signature: \_\_\_\_\_

**ASSIGNOR:**

Name: \_\_\_\_\_

Signature: 

Name: Roberto Masiero

Address: 141 Meeker Road

Basking Ridge, NJ 07920

**WORLDWIDE ASSIGNMENT**

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

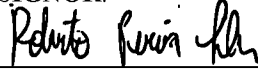
Dated this 13 day of December, 2022.

WITNESS:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

ASSIGNOR:

Signature: 

Name: Roberto SILVEIRA

Address: 1132 Clinton St - Apt 508

07030 - Hoboken, NJ