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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VENKATESH NAGARAJAN	08/13/2020
XIANGZHEN KONG	08/13/2020
NEHA ARYA	08/14/2020
MANSI SHARMA	08/13/2020

RECEIVING PARTY DATA

Name:	AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC.
Street Address:	200 VESEY STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10285

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16731991

CORRESPONDENCE DATA

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9733607900 Phone:

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ATTORNEY DOCKET NUMBER:	189781.014000
NAME OF SUBMITTER:	JUDI CORDO
SIGNATURE:	/Judi Cordo/
DATE SIGNED:	08/20/2020

Total Attachments: 3

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> **PATENT REEL: 053551 FRAME: 0318**

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PATENT REEL: 053551 FRAME: 0319

ASSIGNMENT OF PATENT APPLICATION BY INVENTOR

Whereas I/WE, an undersigned inventor (hereinafter "INVENTOR"), have invented certain new and useful improvements as set forth in the patent application entitled:

COMPUTER-BASED SYSTEMS CONFIGURED TO UTILIZE PREDICTIVE MACHINE LEARNING TECHNIQUES TO DEFINE SOFTWARE OBJECTS AND METHODS OF USE THEREOF

☐ for which I/WE have executed a U.S. patent application on even date herewith.		
which bears U.S. application serial No. <u>16/731,991</u> , filed <u>December 31, 2019</u>		·
for which I have executed a patent application in the country ofdate herewith.	_on	even
☐ which I have executed a U.S. provisional application on even date herewith.		
☐ which is a U.S. provisional application which bears U.S. application serial No, filed		
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:		

- (a) Sell, assign and transfer to AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC., a New York corporation having a place of business at 200 Vesey Street, New York, New York 10285-4900 (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and;(2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof.
- (b) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, reexamination or reissue thereof to the ASSIGNEE.
- (c) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative

PATENT REEL: 053551 FRAME: 0320 applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

- (d) Warrant and covenant that no other assignment, license, contract, understanding, interest or other grant to any third party with respect to any of the foregoing has been made, or shall in the future be made, by or on behalf of INVENTOR.
- (e) Covenant not to challenge the validity or enforceability of any of the patent applications or patents assigned to ASSIGNEE hereunder.
- (f) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.
- (g) Authorize and request my attorney/agent to insert above the application number in order to assist with recordal of this assignment or any other information necessary to perfect this assignment.

IN TESTIMONY WHEREOF, I/WE have executed this document on the date indicated below.

	Venkatesh Naparatan	8/13/2020
Venkatesh Nagarajan	Bisbasselbabasa. Date Xiangylun kong	8/13/2020
Xiangzhen Kong	087B6774729A40D Date	
	Nelva Arya	8/14/2020
Neha Arya	CA2FE37B7F0844EDate	
	Docusigned by: Marsi Sharma	8/13/2020
Mansi Sharma	5BBC711F669749E.Date	