

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4919566

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PRANAV CHAMPAKLAL SHAH	02/15/2017
REKHA VAIDYANATHAN	02/15/2017
SUMAN DATTA	02/15/2017
SUVRA DUTTA	02/15/2017
RECEIVING PARTY DATA	
Name:	TATA CONSULTANCY SERVICES LIMITED
Street Address:	NIRMAL BUILDING, 9TH FLOOR
Internal Address:	NARIMAN POINT
City:	MUMBAI
State/Country:	INDIA
Postal Code:	400021
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15924908
CORRESPONDENCE DATA	
Fax Number:	(202)408-4400
<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>	
Phone:	(202) 408-4000
Email:	monica.freeman@finnegan.com
Correspondent Name:	TATA CONSULTANCY SERVICES LTD/FINNEGAN
Address Line 1:	901 NEW YORK AVE., NW
Address Line 4:	WASHINGTON, D.C. 20001
ATTORNEY DOCKET NUMBER:	13178.0327
NAME OF SUBMITTER:	MONICA J. FREEMAN
SIGNATURE:	/monicajfreeman/
DATE SIGNED:	04/17/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	

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PATENT

REEL: 045564 FRAME: 0039

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), have made an invention entitled:

METHOD AND SYSTEM FOR ANOMALY DETECTION, MISSING DATA IMPUTATION AND CONSUMPTION
PREDICTION IN ENERGY DATA

for which I/We executed an application for United States Letters Patent concurrently herewith; and

WHEREAS, Tata Consultancy Services Limited
a corporation of India
whose post office address is Nirmal Building, 9th Floor, Nariman Point, Mumbai 400021, Maharashtra, India

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined

SOLE/JOINT INVENTION
(Worldwide Rights)

in 37 C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(e), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR SHAH, Pranav Champaklal	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Gateway Park, Akruti Business Port, Road No. 13, MIDC, Andheri, Mumbai - 400 093, Maharashtra, India		RESIDENCE India
2. FULL NAME OF SECOND ASSIGNOR, IF ANY VAIDYANATHAN, Rekha	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Gateway Park, Akruti Business Port, Road No. 13, MIDC, Andheri, Mumbai - 400 093, Maharashtra, India		RESIDENCE India
3. FULL NAME OF THIRD ASSIGNOR, IF ANY DATTA, Suman	ASSIGNOR'S SIGNATURE <i>Suman Datta</i>	DATE 15-FEB-2017
MAILING ADDRESS Tata Consultancy Services Limited, Building 1B, Ecospace Plot - IIF/12, New Town, Rajarhat, Kolkata - 700160, West Bengal, India		RESIDENCE India
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY DUTTA, Suvra	ASSIGNOR'S SIGNATURE <i>Suvra Datta</i>	DATE 15-FEB-2017
MAILING ADDRESS Tata Consultancy Services Limited, Building 1B, Ecospace Plot - IIF/12, New Town, Rajarhat, Kolkata - 700160, West Bengal, India		RESIDENCE India

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WHEREAS, Tata Consultancy Services Limited
a corporation of India
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(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined

in 37C.F.R. § 1.56.

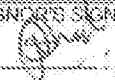
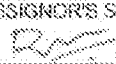
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In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR SHAH, Pranav Champaklal	ASSIGNOR'S SIGNATURE 	DATE 15-Feb-2017
MAILING ADDRESS Tata Consultancy Services Limited, Gateway Park, Akruti Business Port, Road No. 13, MIDC, Andheri, Mumbai - 400 093, Maharashtra, India		RESIDENCE India
2. FULL NAME OF SECOND ASSIGNOR, IF ANY VAIDYANATHAN, Rakha	ASSIGNOR'S SIGNATURE 	DATE 15-Feb-2017
MAILING ADDRESS Tata Consultancy Services Limited, Gateway Park, Akruti Business Port, Road No. 13, MIDC, Andheri, Mumbai - 400 093, Maharashtra, India		RESIDENCE India
3. FULL NAME OF THIRD ASSIGNOR, IF ANY DATTA, Suman	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Building 1B, Ecospace Plot - IIF/12, New Town, Rajarhat, Kolkata - 700160, West Bengal, India		RESIDENCE India
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MAILING ADDRESS Tata Consultancy Services Limited, Building 1B, Ecospace Plot - IIF/12, New Town, Rajarhat, Kolkata - 700160, West Bengal, India		RESIDENCE India