PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAI SREE BHARGAV KURMA	12/14/2020
KANIKA KALRA	08/20/2020
SILPA VADAKKEEVEETIL SREELATHA	08/21/2020
MANASI PATWARDHAN	08/19/2020
SHIRISH SUBHASH KARANDE	12/14/2020

RECEIVING PARTY DATA

Name:	TATA CONSULTANCY SERVICES LIMITED
Street Address:	NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT
City:	MUMBAI
State/Country:	INDIA
Postal Code:	400021

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17349440

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	13178.0826
NAME OF SUBMITTER:	MICHELLE L. DANIELS
SIGNATURE:	/Michelle L. Daniels/
DATE SIGNED:	06/16/2021

Total Attachments: 6

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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 visio-linguistic understanding using contextual language model reasoners
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 r	equest 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 I	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.

[IDF-1641892-002-IN]

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(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.

		DATE
1. FULL NAME OF SOLE OR FIRST ASSIGNOR	ASSIGNOR'S SIGNATURE AND SOLL	14-12-2020
KURMA, Sai Sree Bhargav	V	RESIDENCE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Develo	opment & Design Centre, 54-B, Hadapsar Industrial Estate,	India
Hadapsar, Pune - 411013, Maharashtra, India		DATE
2. FULL NAME OF SECOND ASSIGNOR, IF ANY KALRA, Kanika	ASSIGNOR'S SIGNATURE	
		RESIDENCE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development	opment & Design Centre, 54-B, Hadapsar Industrial Estate,	India
Hadapsar, Pune - 411013, Maharashtra, India		DATE
3 FULL NAME OF THIRD ASSIGNOR, IF ANY VADAKKEEVEETIL SREELATHA, SIIPa	ASSIGNOR'S SIGNATURE	
		RESIDENCE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Devel	opment & Design Centre, 54-B, Hadapsar Industrial Estate,	India
Hadapsar, Pune - 411013, Manarashtra, India	ASSIGNOR'S SIGNATURE	DATE
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY PATWARDHAN, Manasi	ASSIGNOR'S SIGNATURE	
LW134WD1 hard toronwo.		RESIDENCE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Devel	opment & Design Centre, 54-B, Hadapsar Industrial Estate,	India
Hadapsar, Pune - 411013, Manarashtra, mula	ASSIGNOR'S SIGNATURE	DATE
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY	ASSIGNORS SIGNATORE	
KARANDE, Shirish Subhash		
		RESIDENCE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate,		India
Tata Consultancy Services Limited, Tata Research Boston Hadapsar, Pune - 411013, Maharashtra, India		
Madapsar, Pune - 411013, Mahardonad, 312		

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FULL NAME OF SOLE OR FIRST ASSIGNOR KURMA, Sai Sree Bhargav	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Develo Hadapsar, Pune - 411013, Maharashtra, India	opment & Design Centre, 54-B, Hadapsar Industrial Estate,	RESIDENCE India
2. FULL NAME OF SECOND ASSIGNOR, IF ANY KALRA, Kanika	ASSIGNOR'S SIGNATURE	DATE 20 AUG 2020
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development (1998) Hadapsar, Pune - 411013, Maharashtra, India	opment & Design Centre, 54-B, Hadapsar Industrial Estate,	RESIDENCE India
3 FULL NAME OF THIRD ASSIGNOR, IF ANY VADAKKEEVEETIL SREELATHA, SIIPA	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		RESIDENCE India
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY PATWARDHAN, Manasi	ASSIGNOR'S SIGNATURE .	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		RESIDENCE India
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY KARANDE, Shirish Subhash	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Develor Hadapsar, Pune - 411013, Maharashtra, India	prnent & Design Centre, 54-B, Hadapsar Industrial Estate.	RESIDENCE India

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1. FULL NAME OF SOLE OR FIRST ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
KURMA, Sai Sree Bhargav		DAILE
MAILING ADDRESS		RESIDENCE
Tata Consultancy Services Limited, Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		India
2. FULL NAME OF SECOND ASSIGNOR, IF ANY KALRA, Kanika	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS		RESIDENCE
nadapsar, Pune - 411013, Manarashtra, India	lopment & Design Centre, 54-B, Hadapsar Industrial Estate,	India
3 FULL NAME OF THIRD ASSIGNOR, IF ANY VADAKKEEVEETIL SREELATHA, SIIpa	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS		DESIDENCE
Tata Consultancy Services Limited, Tala Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		RESIDENCE India
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY PATWARDHAN, Manasi	ASSIGNOR'S SIGNATURE	DATE 19/08/2020
MAILING ADDRESS		RESIDENCE
Tata Consultancy Services Limited. Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		India
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY KARANDE, Shirish Subhash	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS		DECIDENCE
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[IDF-1641892-002-IN]

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MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Develop Hadapsar, Pune - 411013, Maharashtra, India	oment & Design Centre, 54-B, Hadapsar Industrial Estate,	RESIDENCE India
3 FULL NAME OF THIRD ASSIGNOR, IF ANY VADAKKEEVEETIL SREELATHA, Silpa	ASSIGNOR'S SIGNATURE	DATE
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4. FULL NAME OF FOURTH ASSIGNOR, IF ANY PATWARDHAN, Manasi	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		RESIDENCE India
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY KARANDE, Shirish Subhash	ASSIGNOR'S SIGNATURE	DATE 14-Dec-2020
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Development & Design Centre, 54-B, Hadapsar Industrial Estate, Hadapsar, Pune - 411013, Maharashtra, India		RESIDENCE India

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

FULL NAME OF SOLE OR FIRST ASSIGNOR KURMA Cai Stee Bhargay	ASSIGNORS SIGNATURE	DATE
MAILING ADDRESS Tata Consultancy Services Limited, Tata Research Dev Hadapsar, Pune - 411013, Maharashtra, India	elopment & Design Centre, 54-B, Hadapsar Industrial Estate.	RESIDENCE India
Z FULL NAME OF SECOND ASSIGNOR, IF ANY KALPIA Kanaa	ASSIGNOR'S SIGNATURE	DATE
MARING ADDRESS Tais Consulating Services Limited, Tais Research Devices Limited, Tais Research Devices Limited, Tais Research Devices Consulations (India)	l reiopment & Design Centre, 54-8, Hadapsar Industrial Estate.	RESIDENCE India
3 FULL NAME OF THIRD ASSIGNOR, IF ANY VACARMEEVEETIL SREELATHA, SIIDA	ASSIGNOR'S SIGNATURE	DATE 21-08-2020
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4 FULL NAME OF FOURTH ASSIGNOR, IF ANY PATWARDHAN, Manasi	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS Taka Consultancy Services Limited, Tata Research Der Hacapear, Pune - 411013, Maharashiva, India	ratopment & Design Centre, S4-B, Hadapsar Industrial Estate.	RESIDENCE Indu
5 FULL NAME OF FIFTH ASSIGNOR IF ANY KARANGE SHIGH SUDNAM	ASSIGNOR'S SIGNATURE	CATE
MAILING AUDRESS Tala Consultancy Services Limited, Tala Research De Hadapsia: Pune - 411813, Maharashira, India	velopment & Design Centre, 54-8, Hadapsar Industrial Estats.	RESIDENCE India

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