506318277 10/23/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YIMIN LU	04/13/2020
XIAOYAN XIANG	04/13/2020

RECEIVING PARTY DATA

Name:	ALIBABA GROUP HOLDING LIMITED
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE
Internal Address:	P.O. BOX 847
City:	GEORGE TOWN, GRAND CAYMAN
State/Country:	CAYMAN ISLANDS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16826146

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 14963.0027-00000

NAME OF SUBMITTER: JENNIFER GOMES

SIGNATURE: /Jennifer Gomes/
DATE SIGNED: 10/23/2020

Total Attachments: 2

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PATENT 506318277 REEL: 054147 FRAME: 0782

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 14963.0027-00000 Alibaba Ref. No. CS032US

ASSIGNMENT

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

as claimed in United States Application No. 16/826.146 (Confirmation No. 6585), filed herewith on March 20, 2020.

PROCESSOR, DEVICE, AND METHOD FOR EXECUTING INSTRUCTIONS

attached hereto, and as claimed in PCT International Application No, filed herewith on and attached hereto; and	
WHEREAS, Alibaba Group Holding Limited , a corporation of Cayman Islands, whose post office address is February Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman, Cayman Islands (hereinafter referred to Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries througworld, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be upon this application and the PCT International application and all applications to be filed based on the PCT Interapplication and Letters Patents which may be granted in those applications;	as hout the issued
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to invention, provisional Application No, filed, (if any), and the application for United States Letter and the PCT International application, and all divisions, and continuations thereof, and all Letters Patent of the L States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign count basis of the above provisional application (if any), as well as all rights to claim priority on the basis of the application United States Letters Patent and/or the PCT International application in any foreign country, and all applications Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which regranted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We he authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty is to issue patents on applications as described above, to issue all Letters Patent for this invention in accordance with the terms of this Assignment;	transfer, this this ers Patent Inited try on the tion for for may be reby gn

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 the applications, insert in parentheses above, the filing date and application number of said applications when known.

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PATENT REEL: 054147 FRAME: 0783

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 14963.0027-00000 Alibaba Ref. No. CS032US

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

Name: Yimin LU

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By: V2-7/4 \ 2020.4.

Date:

Name: Xiaoyan XIANG

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Date:

PATENT REEL: 054147 FRAME: 0784

RECORDED: 10/23/2020