506905420 10/05/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Wei GUO	05/22/2018

RECEIVING PARTY DATA

Name:	ALIBABA GROUP HOLDING LIMITED	
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE, P.O. BOX 847	
City:	GEORGE TOWN, GRAND CAYMAN	
State/Country:	CAYMAN ISLANDS	
Postal Code:	KY1-1103	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17373483

CORRESPONDENCE DATA

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Email: nagle@fr.com, apsi@fr.com

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ATTORNEY DOCKET NUMBER:	44892-0107003/PCT6850USC2
NAME OF SUBMITTER:	SARAH NAGLE
SIGNATURE:	/Sarah Nagle/
DATE SIGNED:	10/05/2021

Total Attachments: 2

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PATENT 506905420 REEL: 057699 FRAME: 0632

Attorney Docket No.: 44892-0107001 / PCT6850US

ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, WEI GUO, assign to ALIBABA GROUP HOLDING LIMITED, a corporation formed under the laws of Cayman Islands and having a principal place of business at Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman, Cayman Islands, KY1-1103, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the subject matter (the "Subject Matter") of Chinese Patent Application, Serial No. 201510849154.2, filed November 27, 2015 that names me as inventor (the "Chinese Patent Application") and of a patent application titled "INFORMATION GENERATION, ACQUISITION, AND PROCESSING TO IMPROVE SERVICE

EFFICIENCY," that claims priority to the Chinese Patent Application and was filed in the United States Patent and Trademark Office on May 23, 2018, as application 15/986,939 (the "Application") which also names me as inventor. I authorize the insertion of the filing date and application number above.

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

I authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in my name or in the Assignee's name.

I represent and warrant that I have the right and power to make this Assignment and that I have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 2

Attorney Docket No.: 44892-0107001 / PCT6850US

I will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Wei GUO

Witnessed by:

Signature:

Print Name: <u>Wei Guo</u>

Date: 2018.5,22

Date: 7018 . S . 22

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PATENT REEL: 057699 FRAME: 0634

RECORDED: 10/05/2021