

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6451176

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LANDONG ZHAO	01/20/2020
RECEIVING PARTY DATA		
Name:	ALIBABA GROUP HOLDING LIMITED	
Street Address:	FOURTH FLOOR, ONE CAPITOL PLACE, P.O. BOX 847, GEORGE TOWN	
City:	GRAND CAYMAN	
State/Country:	CAYMAN ISLANDS	
Postal Code:	KY1-1103	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17028482
CORRESPONDENCE DATA		
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NAME OF SUBMITTER:	KRYSTLE SIERSEMA	
SIGNATURE:	/Krystle Siersema/	
DATE SIGNED:	12/15/2020	
Total Attachments: 2		
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ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, Landong ZHAO, 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 all of the subject matter and invention(s) (the "Subject Matter") of the following applications that name me as inventor: Chinese Patent Application No. 201711105169.3, filed November 10, 2017 (the "Chinese Application"), PCT Application No. PCT/CN2018/105916, filed September 17, 2018 (the "PCT Application"), that claims priority to the Chinese Application, and a patent application titled "QUICK ENABLING METHOD AND APPARATUS FOR SERVICE IN APPLICATION PROGRAM AND ELECTRONIC DEVICE," that claims priority to the PCT Application and the Chinese Application and was or will be filed in the United States Patent and Trademark Office on September 22, 2020, as application number 17/028,482 (the "U.S. Application"). I authorize the insertion of the filing date and application number above.

I have assigned or hereby assign, in addition to the Subject Matter, (a) the Chinese Application, the PCT Application, the U.S. Application, and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventor's certificates for any of the Subject Matter in every country or region and under every treaty or convention (collectively the "Applications and Granted Rights"); (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 Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties, conventions, or national laws; 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.

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.

赵兰东
Landong ZHAO

Date: 2020.1.20

Witnessed by:

Signature: 张小青

Date: 2020.1.20

Print Name: Xiaoqing Zhang