

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LIANGZI DING	12/17/2018
	XIAOGUANG HE	12/17/2018
RECEIVING PARTY DATA		
Name:	ALIBABA GROUP HOLDING LIMITED	
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE	
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State/Country:	CAYMAN ISLANDS	
Postal Code:	KY1-1103	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16200318	
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SIGNATURE:	/Christie Loven/	
DATE SIGNED:	04/30/2019	
Total Attachments: 3		
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, LIANGZIDING, and XIAOGUANG HE, each individually 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 our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") of Chinese Patent Application, Serial No. 201610365906.2, filed May 27, 2016 that names us as inventors (the "Chinese Patent Application") and of a patent application titled "IDENTITY VERIFICATION METHOD AND APPARATUS," that claims priority to the Chinese Patent Application and was or will be filed in the United States Patent and Trademark Office on November 26, 2018, as application 16/200,318 (the "Application") which also names us as inventors.

This Assignment assigns, in addition to the Subject Matter of the Application, (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 and under every treaty or convention, (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.

We 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 our names or in the Assignee's name.

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

We 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.

Liangzi DING
Liangzi DING

Date: 2018.12.17

Witnessed by:

Signature: Weijie Zhang

Date: 2018.12.17

Print Name: Weijie Zhang

Xiaoguang HE

Xiaoguang HE

Date: 2018.12.17

Witnessed by:

Signature: Weijie Zhang

Date: 2018.12.17

Print Name: Weijie Zhang