

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Lingnan Shen	06/11/2019
Ge Chen	06/11/2019
Yanghui Liu	06/11/2019
Huifeng Jin	06/11/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALIBABA GROUP HOLDING LIMITED
<b>Street Address:</b>	FOURTH FLOOR, ONE CAPITAL PLACE, P.O. BOX 847
<b>City:</b>	GEORGE TOWN, GRAND CAYMAN
<b>State/Country:</b>	CAYMAN ISLANDS
<b>Postal Code:</b>	KY1-1103
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16384607
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(512) 226-8121
<b>Email:</b>	ANTFormalities@fr.com, APSI@fr.com
<b>Correspondent Name:</b>	IULIA GRAF
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	44892-0387001/ PCT10340US
<b>NAME OF SUBMITTER:</b>	SARAH NAGLE
<b>SIGNATURE:</b>	/Sarah Nagle/
<b>DATE SIGNED:</b>	07/30/2019
<b>Total Attachments: 5</b>	
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ASSIGNMENT and CONFIRMATION

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, LINGNAN SHEN, GE CHEN, YANGHULLIU, and HUIFENG JIN, 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, 201611154671.9, filed December 14, 2016 that names us as inventors (the "Chinese Patent Application") and of a patent application titled "METHOD, APPARATUS, AND SYSTEM FOR PROCESSING TWO-DIMENSIONAL BARCODES," that claims priority to the Chinese Patent Application and was or will be filed in the United States Patent and Trademark Office on April 15, 2019, as application 16/384,607 (the "Application") which also names us as inventors.

The Subject Matter of the Application was developed as part of, and the forgoing assignment occurred by operation of, employment by each of us with Ant Small and Micro Financial Services Group Co., Ltd. directly or by a subsidiary of Ant Financial (collectively "Ant Financial"), a limited liability company organized under the Laws of the PRC and having a principal place of business at 26/F Tower One, Times Square, 1 Matheson Street, Causeway Bay, Hong Kong, and agreements with Assignee. Should any of us have any remaining interest, we hereby assign and transfer any right, title or interest we may have in said Subject Matter of the Application to Assignee.

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.

Linghan Shen  
Linghan Shen

Date: 2019.6.11

Witnessed by:

Signature: 吴永辉

Date: 2019-6-11

Print Name: Yong Wang Wu.

陈 Chen, Ge.  
Ge Chen

Date: 2019. 6. 11

Witnessed by:

Signature: 吴永旺

Date: 2019. 6. 11

Print Name: YongWang.Wu.

Yanghui Liu.  
Yanghui Liu

Date: 2019. 6. 11

Witnessed by:

Signature: 

Date: 2019. 6. 11

Print Name: Yong Wang Wu.

Huifeng Jin  
Huifeng Jin

Date: 2019.6.11

Witnessed by:

Signature: 

Date: 2019.6.11

Print Name: Yong Wang Wu