505260856 01/03/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5307628

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				

CONVEYING PARTY DATA

Name	Execution Date
CHAO XIU	07/03/2018
LEI WANG	07/03/2018
YINGDE LIU	07/03/2018

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
Postal Code:	KY1-1103

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	16026776				

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Email: apsi@fr.com

Correspondent Name: FISH & RICHARDSON P.C.

Address Line 1: P.O. BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440

ATTORNEY DOCKET NUMBER:	44892-0119001
NAME OF SUBMITTER:	CHRISTIE LOVEN
SIGNATURE:	/Christie Loven/
DATE SIGNED:	01/03/2019

Total Attachments: 4

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PATENT 505260856 REEL: 047892 FRAME: 0920

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, CHAO XIU, LEI WANG, and YINGDE LIU, each individually assigns to ALIBABA GROUP HOLDING LIMITED, a corporation formed under the laws of Cayman <u>Islands</u> and having a principal place of business at <u>Fourth Floor</u>, <u>One Capital Place</u>, <u>P.O. Box</u> 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. 201610006675.6, filed January 5, 2016 that names us as inventors (the "Chinese Patent Application") and of a patent application titled "DATA INTERACTION METHOD AND DEVICE, AND OFFLINE CREDIT PAYMENT METHOD AND DEVICE," that claims priority to the Chinese Patent Application and was or will be filed in the United States Patent and Trademark Office on July 3, 2018 _____, as application 16/026,776 (the "Application") which also names us as inventors. We authorize the insertion of the filing date and application number above.

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.

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Lei WANG

Witnessed by:

Signature:

Print Name:

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Date: 7014.7.}

Date: 2018.7.3

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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.

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Witnessed by:

751 Date: Zel 8. 7. 3....

Print Name: SHEW INCOME.

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RECORDED: 01/03/2019