505905117 02/07/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5951834 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LICHUN LI	04/11/2019
SHAN YIN	04/11/2019
ZHENG LIU	04/11/2019

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:	16784421	

CORRESPONDENCE DATA

Fax Number: (650)815-2601

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.

Phone: 650-815-2692

Email: wchen@sheppardmullin.com, svpatents@sheppardmullin.com,

monda@sheppardmullin.com, anwong@sheppardmullin.com

Correspondent Name: SHEPPARD MULLIN RICHTER & HAMPTON LLP

Address Line 1: 379 LYTTON AVE.
Address Line 2: ATTN: WILL CHEN

Address Line 4: PALO ALTO, CALIFORNIA 94301

ATTORNEY DOCKET NUMBER: 50GL-309764

NAME OF SUBMITTER: WEIGUO CHEN

SIGNATURE: /Weiguo Chen/
DATE SIGNED: 02/07/2020

Total Attachments: 3

source=Assignment_50GL-309764#page1.tif

PATENT REEL: 051852 FRAME: 0290

505905117

source=Assignment_50GL-309764#page2.tif source=Assignment_50GL-309764#page3.tif

> PATENT REEL: 051852 FRAME: 0291

Attorney Docket No.: 50GL-291075 / A15189US

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, Lichun LI, Shan YIN, and Zheng LIU, 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, K.Y.1-1103, 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. 201810715295.9, filed June 29, 2018 that names us as inventors (the "Chinese Patent Application") and of a patent application titled "METHOD AND APPARATUS FOR OBTAINING INPUT OF SECURE MULTIPARTY COMPUTATION PROTOCOL," that claims priority to the Chinese Patent Application and was or will be filed in the United States Patent and Trademark Office on _______ June 27, 2019 ______, as application number _______ 16/455,685 _____ (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; (b) the right to claim priority based on, and the benefit of the filing date of, any of the Chinese Patent Application and 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 or conventions; and (c) the right to pursue, collect, and retain in the Assignce'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.

Attorney Docket No.: 50GL-291075 / A15189US

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.

Apolio	Date:	2019. 4.11
Lichun LI	er -	
Witnessed by: Signature:	Date:	2019, 4.11
Shan YIN	Date:	2019.4.11
Witnessed by: Signature: A A B Print Name: Wenzhon Lin	Date:	2019 , 4.11

Attorney Docket No.: 50GL-291075 / A15189US

Zhang LIU Zheng LIU

Date: 2019, 4, 11

Witnessed by:

Signature: AA 2

Print Name: Wowshen Lin

-3 of3-

PATENT REEL: 051852 FRAME: 0294