

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4756045

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUN WU	10/11/2017
XIAODONG ZENG	10/11/2017
HUANMI YIN	10/11/2017
FENG LIN	10/11/2017
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:	15782729
CORRESPONDENCE DATA	
Fax Number:	(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>	
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:	44892-0040001
NAME OF SUBMITTER:	CHRISTIE LOVEN
SIGNATURE:	/Christie Loven/
DATE SIGNED:	12/31/2017
Total Attachments: 5	
source=A10226US_Assignment#page1.tif	
source=A10226US_Assignment#page2.tif	

source=A10226US_Assignment#page3.tif

source=A10226US_Assignment#page4.tif

source=A10226US_Assignment#page5.tif

PATENT

REEL: 045009 FRAME: 0722

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, JUN WU, XIAODONG ZENG, HUANMI YIN, and FENG LIN, 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 subject matter (the "Subject Matter") of Chinese Patent Application, Serial No. 201610896522.3, filed October 13, 2016 that names us as inventors (the "Chinese Patent Application") and of a patent application titled "SERVICE CONTROL AND USER IDENTITY AUTHENTICATION BASED ON VIRTUAL REALITY," that claims priority to the Chinese Patent Application and was filed in the United States Patent and Trademark Office on October 12, 2017, as application 15/782,729 (the "Application") which also names us as inventors. We authorize the insertion of the filing date and application number above.

This Assignment assigns (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 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.

Jun Wu
Jun Wu

Date: 2017.10.11

Witnessed by:

Signature: LE ZHOU

Date: 2017.10.11

Print Name: LE ZHOU

Xiaodong Zeng
Xiaodong Zeng

Date: 2017.10.11

Witnessed by:

Signature: [Signature]

Date: 2017.10.11

Print Name: LE ZHOU

Huanxin Yin
Huanxin Yin

Date: 2017.10.11

Witnessed by:

Signature: [Signature]

Date: 2017.10.11

Print Name: LE ZHOU

Feng Lin
Feng Lin

Date: 2017.12.11

Witnessed by:

Signature: [Signature]

Date: 2017.10.11

Print Name: LZ ZHOU