

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6555155

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the PATENT PRIORITY DATA previously recorded on Reel 005401 Frame 0245. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
Changzheng Wei	11/27/2020
Ying Yan	11/27/2020
Hui ZHANG	11/27/2020
Yujun Peng	11/27/2020
RECEIVING PARTY DATA	
Name:	ALIBABA GROUP HOLDING LIMITED
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE, 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:	16779488
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>	
Phone:	+1 (202) 220-6849
Email:	nagle@fr.com, apsi@fr.com
Correspondent Name:	BENJAMIN HALKOWSKI
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	44892-0766001/PCT23896US
NAME OF SUBMITTER:	SARAH NAGLE
SIGNATURE:	/Sarah Nagle/
DATE SIGNED:	02/17/2021
Total Attachments: 13	

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6342841

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Changzheng Wei	08/25/2020
Ying Yan	08/25/2020
Hui ZHANG	08/31/2020
Yujun Peng	08/26/2020
RECEIVING PARTY DATA	
Name:	ALIBABA GROUP HOLDING LIMITED
Street Address:	FOURTH FLOOR, ONE CAPITAL PLACE, 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:	16779488
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>	
Phone:	+1 (202) 220-6849
Email:	ANTFormalities@fr.com, APSI@fr.com
Correspondent Name:	BENJAMIN HALKOWSKI
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	44892-0766001/PCT23896US
NAME OF SUBMITTER:	SARAH NAGLE
SIGNATURE:	/Sarah Nagle/
DATE SIGNED:	10/09/2020
Total Attachments: 5	
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ASSIGNMENT and CONFIRMATION

For valuable consideration, the receipt of which acknowledge, and intending to be bound legally, we, CHANGZHENG WEI, YING YAN, HUI ZHANG, and YUJUN PENG, 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 if joint inventors also our joint, right, title, and interest throughout the world in the invention(s) (the "Subject Matter") of the below listed patent applications (collectively, the "Applications") that name the above inventor(s):

Patent application titled "BLOCKCHAIN-BASED DATA AUTHORIZATION METHOD AND DEVICE" that was filed on July 31, 2019 as application CN201910703796.X;

Patent Cooperation Treaty patent application titled "BLOCKCHAIN-BASED DATA AUTHORIZATION METHOD AND DEVICE" that claims priority to the above listed application and was filed on January 15, 2020 as application PCT/CN2020/072153; and Patent application titled "PROVIDING DATA AUTHORIZATION BASED ON BLOCKCHAIN" that claims priority to the above listed applications and was or will be filed in the United States Patent and Trademark Office on January 31, 2020, as application 16/779,488.

I (the singular in each instance hereafter meaning myself individually as well as, if joint inventors, we inventors jointly) authorize Assignee and its representative to insert any, and to make typographical corrections of, identification or other information in this Assignment and Confirmation (hereafter the "Assignment") that may be necessary or desirable in order to record this document any place in the world.

The Subject Matter of the Applications was developed as part of, and the forgoing assignment occurred on or before July 31, 2019, the earliest application filing date noted above by operation of my employment and/or agreements with Assignee. Should I have any remaining interest, I hereby assign and transfer as of said earliest application filing date any and all such right, title or interest I may have in said Subject Matter of the Applications to Assignee, said

assignment and transfer to Assignee prior to Assignee's subsequent assignment and transfer to Advantageous New Technologies Co., Ltd. (hereafter "Advantageous") and Advantageous' subsequent assignment and transfer to Advanced New Technologies Co., Ltd. (hereafter "Advanced") such that all rights, title and interest assigned and transferred by this Assignment are by way of said agreements now owned by Advanced.

This Assignment assigns, in addition to the Subject Matter of the Applications, (a) the Applications 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, including in continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties, national laws, patent office rules 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.

I 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 my name or in the Assignee's name.

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

I acknowledge the duty to disclose information known to be material to patentability of the Subject Matter and will communicate to the Assignee (or, at the request of the Assignee to other parties) all known such information and 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.

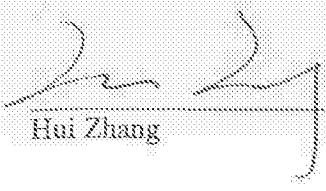
Changzheng Wei
Changzheng Wei

Date: 2020-11-27

Ying Yan

Ying Yan

Date: 2020.11.27


Hui Zhang

Date: 2020/11/27

PENG Yujun
Yujun Peng

Date: 2023/11/27

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ASSIGNMENT and CONFIRMATION

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, CHANGZHENG WEI, YING YAN, HUI ZHANG, and YUJUN PENG, 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, 201910703796.X, filed July 31, 2019 that names us as inventors (the “Chinese Patent Application”) and of a patent application titled “PROVIDING DATA AUTHORIZATION BASED ON BLOCKCHAIN,” that claims priority to the Chinese Patent Application and was or will be filed in the United States Patent and Trademark Office on January 31, 2020, as application 16/779,488 (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.

Changzheng Wei
Changzheng Wei

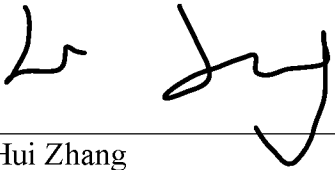
Date: 2020/8/25

2020/08/25

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Ying Yan

Date: _____



Hui Zhang

Attorney Docket No.: 44892-0766001 / PCT23896US

Date: 2020/8/31



Yujun Peng

Date: 10/26/20