

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6598492

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	XIAONING JIANG	03/02/2021
	YANG MA	03/02/2021
	KELEI JIANG	03/02/2021
	FENGQING ZHANG	03/02/2021
	XUYI CHEN	03/02/2021
	JIANG LI	03/02/2021
	ZHENDONG YU	03/02/2021
RECEIVING PARTY DATA		
Name:	ZHEJIANG GONGSHANG UNIVERSITY	
Street Address:	NO.18 XUEZHENG STREET, XIASHA UNIVERSITY TOWN	
City:	HANGZHOU, ZHEJIANG, 310018	
State/Country:	CHINA	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17196356
CORRESPONDENCE DATA		
Fax Number:		
<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:	Request@slwip.com	
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.	
Address Line 1:	P.O. BOX 2938	
Address Line 4:	MINNEAPOLIS,, MINNESOTA 55402	
ATTORNEY DOCKET NUMBER:	5220.134US1	
NAME OF SUBMITTER:	JESSE CANTRELL	
SIGNATURE:	/ Jesse Cantrell /	
DATE SIGNED:	03/12/2021	
Total Attachments: 10		
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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 5220.134US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xiaoning JIANG, Yang MA, Kelei JIANG, Fengqing
ZHANG, Xuyi CHEN, Jiang LI, Zhendong YU

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 2, 2021, March 2, 2021, March
2, 2021, March 2, 2021, March 2, 2021, March 2, 2021,
March 2, 2021

2. Name and address of receiving party(ies):

Name: Zhejiang Gongshang University

Street Address: No.18 Xuezheng Street, Xiasha
University Town

City: Hangzhou, Zhejiang, 310018

Country: China

Additional name(s) & address(es) attached? ☐ Yes
☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 17/196,356

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: Aaron R. Wininger

Address:

Schwegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

☐ Enclosed

☐ Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over
payments to our Deposit Account No.: 19-0743

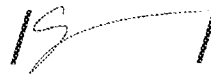
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy
of the original document.

Aaron R. Wininger/Reg. No. 45,229

Name of Person Signing



Signature

2021-03-12

Date

Total number of pages including cover sheet: 10

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 055577 FRAME: 0331

ASSIGNMENT

WHEREAS, Xiaoping JIANG, Yang MA, Kelei JIANG, Fengqing ZHANG, Xuyi CHEN, Jiang Li and Zhendong YU (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on March 9, 2021, assigned US application serial number 17/196,356, and titled MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF and as described in a patent application filed on November 13, 2020 assigned Chinese application serial number 202011268786.7, and titled MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Zhejiang Gongshang University (the "Assignee"), having a place of business at No.18 Xuezheng Street, Xiasha University Town, Hangzhou, Zhejiang 310018, China, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the Issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

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information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

PATENT

REEL: 055577 FRAME: 0333

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

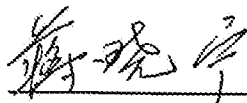
Page 3 of 9

Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):



Name: Xiaoning JIANG

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

PATENT

REEL: 055577 FRAME: 0334

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

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Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):



Name: Yang MA

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

PATENT

REEL: 055577 FRAME: 0335

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

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Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):

蒋科莹

Name: Kelei JIANG

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

PATENT

REEL: 055577 FRAME: 0336

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

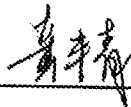
Page 6 of 9

Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):



Name: Fengqing ZHANG

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

Assignment

Assignors: Xisong JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

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Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):

陈旭艺

Name: Xuyi CHEN

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

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Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):

Ts / z

Name: Jiang Li

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

PATENT

REEL: 055577 FRAME: 0339

Assignment

Assignors: Xiaoning JIANG et al.

Title: MQTT-BASED DISTRIBUTION INTERNET OF THINGS SYSTEM AND METHOD THEREOF

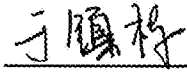
Page 9 of 9

Docket No:

Client Ref. No. P2021011838815

Assignor:

(Signature):



Name: Zhendong YU

City/State or Country: Hangzhou, Zhejiang, China

Date:

2021-03-02

PATENT

RECORDED: 03/12/2021

REEL: 055577 FRAME: 0340