

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8179125

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YE CHEN	02/24/2022
JUNKE PENG	02/04/2022
YAN WANG	02/08/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.
<b>Street Address:</b>	0207, 2/F, BUILDING 4, ZIJIN DIGITAL PARK
<b>Internal Address:</b>	HAIDIAN DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100190
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17724122
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	202.230.5125
<b>Email:</b>	denverpatentdocketing@faegredrinker.com, stephanie.condon@faegredrinker.com
<b>Correspondent Name:</b>	ADAM SCHLOSSER
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<b>Address Line 2:</b>	FAEGRE DRINKER BIDDLE & REATH LLP
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	BYD-0117
<b>NAME OF SUBMITTER:</b>	ADAM SCHLOSSER
<b>SIGNATURE:</b>	/Adam Schlosser, 66,554/
<b>DATE SIGNED:</b>	09/20/2023
<b>Total Attachments: 13</b>	
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# Combined\_Declaration\_Assignment-CHEN, YE

## ASSIGNMENT

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**Assignor(s):**

**Ye CHEN**

**Address:**

Jinritoutiao Post office, China Satellite Communications Tower

No.63, Zhichun Road, Haidian District

Beijing, 100086

P. R. China

WHEREAS, ASSIGNOR(S) (listed above), are inventor(s) of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number\_\_\_\_\_

("the invention"), entitled METHOD AND DEVICE FOR DISPLAYING A VIRTUAL  
LIVESTREAM ROOM, CLIENT, SERVER AND MEDIUM

("the subject application"), which claims priority to Chinese patent application number 202110921569.1, filed on Aug. 11, 2021 ("the priority applications"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Beijing Zitiao Network Technology Co., Ltd.**, ASSIGNEE, having a place of business at **0207, 2/F, Building 4, Zijin Digital Park, Haidian District, Beijing, 100190 P. R. China**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assign

**PATENT**

interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR(S) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

#### **DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

##### **Title of Invention**

METHOD AND DEVICE FOR DISPLAYING A VIRTUAL LIVESTREAM ROOM, CLIENT, SERVER AND MEDIUM

As the below named inventor(s), I/we declare that:

This combined declaration and assignment is directed to:

the attached application, or

**PATENT**

**REEL: 064977 FRAME: 0345 4**

✕ United States application or PCT international application number 17/724,122,  
filed 04/19/2022,

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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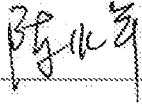
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

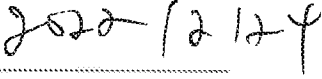
**Notice to Inventor(s):** A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

Ye CHEN

Printed Name in English



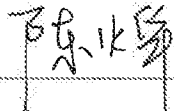
Inventor's Signature



Date

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The foregoing Combined Declaration and Assignment covers patent application number  
\_\_\_\_\_, filed on \_\_\_\_\_.



Name of Attorney:

Registration No.:

Date of Insertion: 2022/2/24

COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

Assignor(s):  
**Junke PENG**

---

~~Address~~  
Jinritoutiao Post office, China Satellite Communications Tower  
No.63, Zhichun Road, Haidian District  
Beijing, 100086  
P. R. China

WHEREAS, ASSIGNOR(S) (listed above), are inventor(s) of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number \_\_\_\_\_ ("the invention"), entitled METHOD AND DEVICE FOR DISPLAYING A VIRTUAL LIVESTREAM ROOM, CLIENT, SERVER AND MEDIUM ("the subject application"), which claims priority to Chinese patent application number 202110591745.X, filed on May 28, 2021 ("the priority applications"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **Beijing Zitiao Network Technology Co., Ltd.**, ASSIGNEE, having a place of business at **0207, 2/F, Building 4, Zijin Digital Park, Haidian District, Beijing, 100190 P. R. China**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right

COMBINED DECLARATION AND ASSIGNMENT

to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR(S) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.



COMBINED DECLARATION AND ASSIGNMENT

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	METHOD AND DEVICE FOR DISPLAYING A VIRTUAL LIVESTREAM ROOM, CLIENT, SERVER AND MEDIUM
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As the below named inventor(s), I/we declare that:

This combined declaration and assignment is directed to:

☐ the attached application, or  
☒ United States application or PCT international application number 17/724,122,  
filed 04/19/2022.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

**Notice to Inventor(s):** A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

Application No.:  
Docket No.:

COMBINED DECLARATION AND ASSIGNMENT

Junke PENG  
Printed Name in English  
彭军科  
Inventor's Signature

2011.1.11  
Date

\*\*\*\*\*

The foregoing Combined Declaration and Assignment covers patent application number  
\_\_\_\_\_, filed on \_\_\_\_\_.

\_\_\_\_\_  
Name of Attorney:  
Registration No.:  
Date of Insertion:

COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

Assignor(s):

**Yan WANG**

Address:

Jinritoutiao Post office, China Satellite Communications Tower  
No.63, Zhichun Road, Haidian District  
Beijing, 100086  
P. R. China

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NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose,

COMBINED DECLARATION AND ASSIGNMENT

describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR(S) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

COMBINED DECLARATION AND ASSIGNMENT  
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

**Title of Invention**

METHOD AND DEVICE FOR DISPLAYING A VIRTUAL  
LIVESTREAM ROOM, CLIENT, SERVER AND MEDIUM

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This combined declaration and assignment is directed to:

the attached application, or

☒ United States application or PCT international application number 17/724,122  
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COMBINED DECLARATION AND ASSIGNMENT

---

Yan WANG

Printed Name in English

王岩

Inventor's Signature

2022.2.8

Date

\*\*\*\*\*

The foregoing Combined Declaration and Assignment covers patent application number  
\_\_\_\_\_, filed on \_\_\_\_\_.

---

Name of Attorney:

Application No.:  
Docket No.: P2104925701US- IEE220037-US

COMBINED DECLARATION AND ASSIGNMENT

Registration No.:

Date of Insertion: