

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8067215

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHEN WANG	10/31/2022
RECEIVING PARTY DATA	
Name:	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.
Street Address:	0207, 2/F, BUILDING 4, ZIJIN DIGITAL PARK, HAIDIAN DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100190
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17969522
CORRESPONDENCE DATA	
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<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>	
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Address Line 2:	CITRA CENTRE, 12TH FLOOR
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ATTORNEY DOCKET NUMBER:	112704.000478
NAME OF SUBMITTER:	DEBORAH WHIPPLE
SIGNATURE:	/Deborah Whipple/
DATE SIGNED:	07/19/2023
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6	
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COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

Assignor(s):

1) Bin CHENG

Address:

Jinritoutiao Post Office
China Satellite Communications Tower
No 63, Zhichun Road, Haidian District
Beijing, 100190
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 **112704.000478** (“the invention”), entitled **HUMAN-COMPUTER INTERACTION METHOD AND APPARATUS, AND ELECTRONIC DEVICE** (“the subject application”), which is a continuation application of PCT International Application number **PCT/CN2021/089911**, filed on **April 26, 2021**, which claims priority to Chinese patent application number **202010366811.9**, filed on **April 30, 2020**, (“the priority application”). 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, **Ocean Engine (Shanghai) Computer Tech Co., Ltd.**, ASSIGNEE, having a place of business at **13/F, Building 24, 1999 Yishan Rd, Minhang District, Shanghai, 200233, P. R. China**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

Assignor(s):

2) Bixing SHENG

Address:

Jinritoutiao Post Office
China Satellite Communications Tower
No.63, Zhichun Road, Haidian District
Beijing, 100190

COMBINED DECLARATION AND ASSIGNMENT

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 **112704.000478** (“the invention”), entitled **HUMAN-COMPUTER INTERACTION METHOD AND APPARATUS, AND ELECTRONIC DEVICE** (“the subject application”), which is a continuation application of PCT International Application number **PCT/CN2021/089911**, filed on **April 26, 2021**, which claims priority to Chinese patent application number **202010366811.9**, filed on **April 30, 2020**, (“the priority application”). 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, **Hangzhou Ocean Engine Network Technology Co., Ltd.**, ASSIGNEE, having a place of business at **Room 501, Block 1, 1818-1 Wenyi West Rd, Yuhang Avenue, Yuhang District, Hangzhou, Zhejiang province, P. R. China**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

Assignor(s):

3) Chen WANG

Address:

Jinritoutiao Post Office
China Satellite Communications Tower
No.63, Zhichun Road, Haidian District
Beijing, 100190
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 **112704.000478** (“the invention”), entitled **HUMAN-COMPUTER INTERACTION METHOD AND APPARATUS, AND ELECTRONIC DEVICE** (“the subject application”), which is a continuation application of PCT International Application number **PCT/CN2021/089911**, filed on **April 26, 2021**, which claims priority to Chinese patent application number **202010366811.9**, filed on **April 30, 2020**, (“the priority application”). I authorize and direct any of the attorneys responsible for prosecuting the subject application on

COMBINED DECLARATION AND ASSIGNMENT

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 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

COMBINED DECLARATION AND ASSIGNMENT

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	HUMAN-COMPUTER INTERACTION METHOD AND APPARATUS, AND ELECTRONIC DEVICE
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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 17/969,522, filed 10/19/2022.

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.

COMBINED DECLARATION AND ASSIGNMENT

Bin CHENG

Date

Bixing SHENG

Date

王琛

Chen WANG

2022.10.31

Date

The foregoing Combined Declaration and Assignment covers patent application number
17/969,522, filed on 10/19/2022.

/Aiqing Wang/

Name of Attorney: Aiqing Wang

Registration No.: 80038

Date of Insertion: 7/19/2023