# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6308973

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date		
WEI LU	07/29/2020		

#### **RECEIVING PARTY DATA**

Name:	CHENGDU YEWANG DIGITAL TECHNOLOGY CO., LTD.
Street Address:	LONGTAN INDUSTRIAL PARK, SECTION 2, EAST THIRD RING ROAD
Internal Address:	CHENGHUA DISTRICT, SICHUANG PROVINCE
City:	CHENGDU
State/Country:	CHINA

## **PROPERTY NUMBERS Total: 1**

Property Type	Number			
Application Number:	16981274			

#### **CORRESPONDENCE DATA**

#### Fax Number:

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.

**Phone:** 2155683100

Email: intlpatents@bakerlaw.com
Correspondent Name: BAKER & HOSTETLER
Address Line 1: 2929 ARCH STREET

Address Line 2: CIRA CENTRE, 12TH FLOOR

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104

ATTORNEY DOCKET NUMBER:	116871.000020
NAME OF SUBMITTER:	AIQING WANG
SIGNATURE:	/Aiqing Wang/
DATE SIGNED:	09/21/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

# **Total Attachments: 20**

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PATENT REEL: 053832 FRAME: 0493

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#### COMBINED DECLARATION AND ASSIGNMENT

#### ASSIGNMENT

## Assignor(s):

- 1) Guibin Chen
- 2) Huayun Miao
- 3) Yi Li
- 4) Yumeng Li

#### 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 116871.000020 ("the invention"), entitled "INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT" ("the subject application"), which is the national stage of PCT international application number PCT/CN2019/086292, filed on May 9, 2019, which claims priority to Chinese patent application number 201810451127.3, filed on May. 11, 2018, Chinese patent application number 201810645574.2, filed on June. 21, 2018, Chinese patent application number 201810631375.6, filed on June. 19, 2018, Chinese patent application number 201810644466.3, filed on June. 21, 2018, and Chinese patent application number 201810631374.1, filed on June. 19, 2018 ("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, Smartisan Software Co., Ltd., ASSIGNEE, having a place of business at Room 302-6, 3/F, Unit 101, Building 4, District 1, No. 29, Kechuang 13th Street, Beijing Economic and Technological Development Zone, Beijing, P. R. China, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT

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

Page 1 of 5

#### COMBINED DECLARATION AND ASSIGNMENT

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.

Page 2 of 5

# 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	INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT
As the below named	inventor(s), I/we declare that:
This combined decla	ration and assignment is directed to:
the attache	ed application, or
	States application or PCT international application number
PCT/CN2019/08629	2, filed <u>May 9, 2019</u> .
The above-identified	application was made or authorized to be made by me.
I believe that I am th application.	e original inventor or an original joint inventor of a claimed invention in the
	ge that any willful false statement made in this declaration is punishable I by fine or imprisonment of not more than five (5) years, or both.
	stor(s): A person may not execute this declaration unless that person has aderstands the contents of the above-identified application, including the
of the duty to di	tor(s): A person may not execute this declaration unless that person is aware sclose to the US Patent and Trademark Office all information known to the erial to patentability as defined in 37 CFR 1.56.

# COMBINED DECLARATION AND ASSIGNMENT

Guibin Chen		
Printed Name in English		
Guibin Chen		
Inventor's Signature		
19 Aug. 2020		
Date		
**************************************		
Huayun Miao Printed Name in English		
Inventor's Signature		
v		
Date		
Yi Li Printed Name in English		
Printed Name in English		
Inventor's Signature		
Date		
Yumeng Li		
Printed Name in English		
Inventor's Signature		
D.1.		
Date		
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Page 4 of 5

Application No.: 16981274 Docket No.: 116871.000020	
COM	BINED DECLARATION AND ASSIGNMENT
2.3	
Huavun Miao Printed Name in English  125 Inventor's Signature 20/08/2020	
Date	
Yi Li Printed Name in English	
nventor's Signature	
Date	
Yumeng Li Printed Name in English	
Inventor's Signature	
Date	
*****	**************************************

Page 4 of 5

App	lica	ttion	No.:	1698	1274
Doc	ket	No.:		171.00	3002
					CO

# MBINED DECLARATION AND ASSIGNMENT Yi Li Printed Name in English Date

Page 4 of 5

# COMBINED DECLARATION AND ASSIGNMENT

Guibin Chen
Printed Name in English
Inventor's Signature
D.c.
Date
Huavun Miao
Printed Name in English
Inventor's Signature
Date
<u>Yi Li</u>
Printed Name in English
Inventor's Signature
Date
Yumeng Li Printed Name in English
Yumen Li
Inventor's Signature
Date 30 30 7. 37
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Page 4 of 5

# COMBINED DECLARATION AND ASSIGNMENT

ine	roregoing	Combined	Declaration	and	Assignment	covers	patent	application	number
*******	, fil	ed on							
			Nar	ne of	Attorney:				
					ion No.:				
					nsertion:				

Page 5 of 5

#### COMBINED DECLARATION AND ASSIGNMENT

#### ASSIGNMENT

Assignor(s):

Chi FANG

#### 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 116871.000020 ("the invention"), entitled "INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT" ("the subject application"), which is the national stage of PCT international application number PCT/CN2019/086292, filed on May 9, 2019, which claims priority to Chinese patent application number 201810451127.3, filed on May. 11, 2018, Chinese patent application number 201810645574.2, filed on June. 21, 2018, Chinese patent application number 201810631375.6, filed on June. 19, 2018, Chinese patent application number 201810631374.1, filed on June. 19, 2018 ("the priority applications"). I authorize and direct any of the autorneys responsible for prosecuting the subject application in the final paragraph of this assignment.

AND WHEREAS, Smartisan Technology Co., Ltd., ASSIGNEE, having a place of business at Room 01-A041. 3/F, No. 55, Suzhou Street, Haidian District, Beijing, P. R. China, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

# INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT

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

Page 1 of 4

#### COMBINED DECLARATION AND ASSIGNMENT

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.

Page 2 of 4

# 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	INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT
	inventor(s), I/we declare that: ration and assignment is directed to:
☐ the attach	ed application, or  States application or PCT international application number  2. filed <u>May 9, 2019</u> .
	application was made or authorized to be made by me. e original inventor or an original joint inventor of a claimed invention in the
	ge that any willful false statement made in this declaration is punishable to by fine or imprisonment of not more than five (\$) years, or both.
	stor(s): A person may not execute this declaration unless that person has nderstands the contents of the above-identified application, including the
of the duty to di	tor(s): A person may not execute this declaration unless that person is aware sclose to the US Patent and Trademark Office all information known to the erial to patentability as defined in 37 CFR 1.56

Page 3 of 4

# COMBINED DECLARATION AND ASSIGNMENT

Chi FANG	
Printed Namerin English	
Printed Name on English  2  Inventor's Signature	
<u> </u>	
Inventor's Signature	
10/07/2020	
Date	
************	***************************************
The foregoing Combined Declars	ntion and Assignment covers patent application number
, filed on	minimum,
	Name of Attorney:
	Registration No.:
	Date of Insertion:

#### COMBINED DECLARATION AND ASSIGNMENT

#### ASSIGNMENT

Assignor(s):

Wei Lu

#### 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 116871.000020 ("the invention"), entitled "INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT" ("the subject application"), which is the national stage of PCT international application number PCT/CN2019/086292, filed on May 9, 2019, which claims priority to Chinese patent application number 201810451127.3, filed on May, 11, 2018, Chinese patent application number 201810645574.2, filed on June, 21, 2018, Chinese patent application number 201810631375.6, filed on June, 19, 2018, Chinese patent application number 201810631374.1, filed on June, 19, 2018 ("the priority applications"). Lauthorize and direct any of the attorneys responsible for prosecuting the subject application in the final paragraph of this assignment.

AND WHEREAS, Chengdu Yewang Digital Technology Co., Ltd., ASSIGNEE, having a place of business at Longton Industrial Park, Section 2, East Third Ring Road, Chenghua District, Chengdu, Sichuang Province, P. R. China, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

# INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT

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,

Page 1 of 4

#### 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.

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Page 2 of 4

# 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	INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT
As the below named	inventor(s), I/we declare that:
This combined declar	ration and assignment is directed to:
	ed application, or States application or PCT international application number
PCT/CN2019/08629	2, filed <u>May 9, 2019</u> .
I believe that I am th	application was made or authorized to be made by me. e original inventor or an original joint inventor of a claimed invention in the
	ge that any willful false statement made in this declaration is punishable by fine or imprisonment of not more than five (5) years, or both.
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Page 3 of 4

# COMBINED DECLARATION AND ASSIGNMENT

Printed Name in English    Printed Name in English	
29.7.2020  Date  ***********************************	
Date  ***********************************	
Date  ***********************************	
The foregoing Combined Declaration and Assignment covers patent application num	
The foregoing Combined Declaration and Assignment covers patent application num	
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	nber
	nber
	nber
Name of Attorney:	nber
Registration No.:	nber
Date of Insertion:	nber

#### COMBINED DECLARATION AND ASSIGNMENT

#### ASSIGNMENT

Assignor(s):

Yonghao Luo

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 116871.000020 ("the invention"), entitled "INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT" ("the subject application"), which is the national stage of PCT international application number PCT/CN2019/086292, filed on May 9, 2019, which claims priority to Chinese patent application number 201810451127.3, filed on May. 11, 2018, Chinese patent application number 201810631375.6, filed on June. 19, 2018, Chinese patent application number 201810631375.6, filed on June. 19, 2018, Chinese patent application number 201810631374.1, filed on June. 19, 2018 ("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.

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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, describe, and/or claim the invention, including, without limitation, the subject application and the

Page 1 of 4

#### COMBINED DECLARATION AND ASSIGNMENT

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.

Page 2 of 4

# 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	INTERACTION METHOD, DEVICE AND EQUIPMENT FOR OPERABLE OBJECT
	inventor(s), I/we declare that: ation and assignment is directed to:
 ☑ United	d application, or  States application or PCT international application number  5, filed <u>May 9, 2019</u> .
The above-identified	application was made or authorized to be made by me.
I believe that I am the application.	e original inventor or an original joint inventor of a claimed invention in the
	te that any willful false statement made in this declaration is punishable by fine or imprisonment of not more than five (5) years, or both.
	tor(s): A person may not execute this declaration unless that person has iderstands the contents of the above-identified application, including the
of the duty to dis	tor(s): A person may not execute this declaration unless that person is aware sclose to the US Patent and Trademark Office all information known to the crial to patentability as defined in 37 CFR 1.56.

Page 3 of 4

# COMBINED DECLARATION AND ASSIGNMENT

Youghao Luo Printed Name in English	
Inventor Agentature	
<u> </u>	
*************	**************************************
The foregoing Combined Declara	tion and Assignment covers patent application number
	Name of Attorney:
	Registration No.:
	Date of Insertion:

Page 4 of 4

4841-1620-2415.1

**RECORDED: 09/21/2020**