

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7309529

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LILI WANG	02/16/2022
CHI FANG	02/16/2022
DONG WANG	02/16/2022
WEI GAO	02/16/2022
HAIZHOU ZHU	02/16/2022
RECEIVING PARTY DATA	
Name:	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.
Street Address:	ROOM B-0035, 2/F, NO. 3 BUILDING, NO. 30 SHIXING ROAD, SHIJINGSHAN DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100041
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17773573
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:	eofficemonitor@bakerlaw.com
Correspondent Name:	BAKERHOSTETLER
Address Line 1:	2929 ARCH STREET
Address Line 2:	CIRA CENTRE, 12TH FLOOR
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19104
ATTORNEY DOCKET NUMBER:	116871.000039
NAME OF SUBMITTER:	JEAN WANG
SIGNATURE:	/Jean Wang/
DATE SIGNED:	05/02/2022
Total Attachments: 21	
source=116871000039_Combined_Declaration_Assignment#page1.tif	

source=116871000039_Combined_Declaration_Assignment#page2.tif
source=116871000039_Combined_Declaration_Assignment#page3.tif
source=116871000039_Combined_Declaration_Assignment#page4.tif
source=116871000039_Combined_Declaration_Assignment#page5.tif
source=116871000039_Combined_Declaration_Assignment#page6.tif
source=116871000039_Combined_Declaration_Assignment#page7.tif
source=116871000039_Combined_Declaration_Assignment#page8.tif
source=116871000039_Combined_Declaration_Assignment#page9.tif
source=116871000039_Combined_Declaration_Assignment#page10.tif
source=116871000039_Combined_Declaration_Assignment#page11.tif
source=116871000039_Combined_Declaration_Assignment#page12.tif
source=116871000039_Combined_Declaration_Assignment#page13.tif
source=116871000039_Combined_Declaration_Assignment#page14.tif
source=116871000039_Combined_Declaration_Assignment#page15.tif
source=116871000039_Combined_Declaration_Assignment#page16.tif
source=116871000039_Combined_Declaration_Assignment#page17.tif
source=116871000039_Combined_Declaration_Assignment#page18.tif
source=116871000039_Combined_Declaration_Assignment#page19.tif
source=116871000039_Combined_Declaration_Assignment#page20.tif
source=116871000039_Combined_Declaration_Assignment#page21.tif

TD-P.9094735AUS

Application No.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

Assignor(s):

Lili WANG
Chi FANG
Dong WANG
Wei GAO
Haizhou ZHU

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 116871.000039 ("the invention"), entitled **VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM**("the subject application"), which is the national stage of PCT international application number PCT/CN2020/124038, filed on 2020-10-27, which claims priority to Chinese patent application number 201911047128.2 and 201911047107.0, filed on 2019-10-30 and 2019-10-30 ("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 Bytedance Network Technology Co., Ltd., ASSIGNEE, having a place of business at Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing, 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,

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.

Application No.: 17/773,573
Docket No.: 116871.000039

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	VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM
---------------------------	--

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

PCT/CN2020/124038, filed 2020-10-27

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.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

Haizhou ZHU
Printed Name in English

Inventor's Signature

Date

The foregoing Combined Declaration and Assignment covers patent application number
17/773,573, filed on April 29, 2022.

/Aiqing Wang/

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

Application No.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

TD-1190942530/V5

ASSIGNMENT

Assignor(s):

Lili WANG
Chi FANG
Dong WANG
Wei GAO
Haizhou ZHU

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 116871.000039 (the invention), entitled VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM(the subject application), which is the national stage of PCT international application number PCT/CN2020/124038, filed on 2020-10-27, which claims priority to Chinese patent application number 201911047128.2 and 201911047107.0, filed on 2019-10-30 and 2019-10-30 (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 Bytedance Network Technology Co., Ltd., ASSIGNEE, having a place of business at Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing, 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,

Application No.: 17/773,573
Docket No.: 116871.000039

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.

Application No.: 17/773,573
Docket No.: 116871.000039

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	VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM
--------------------	--

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

PCT/CN2020/124038, filed 2020-10-27

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.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

LIH WANG
Printed Name in English

Inventor's Signature

Date

Chi FANG
Printed Name in English

Inventor's Signature

Date

Dong WANG
Printed Name in English

王冬
Inventor's Signature

2022-02-16
Date

Wei GAO
Printed Name in English

Inventor's Signature

Date

TD-119-16230/US

Application No.: 17/773,573

Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

Assignor(s):

Lili WANG

Chi FANG

Dong WANG

Wei GAO

Haizhou ZHU

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 116871.000039 (The invention), entitled VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM(The subject application), which is the national stage of PCT international application number PCT/CN2020/124038, filed on 2020-10-27, which claims priority to Chinese patent application number 201911047128.2 and 201911047107.0, filed on 2019-10-30 and 2019-10-30 (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 Bytedance Network Technology Co., Ltd., ASSIGNEE, having a place of business at Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing, 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,

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.

Application No.: 17/773,573
Docket No.: 116871.000039

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	VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM
--------------------	--

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

PCT/CN2020/124038, filed 2020-10-27

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.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

Haizhou ZHU
Printed Name in English

Inventor's Signature

Date

The foregoing Combined Declaration and Assignment covers patent application number
17/773,573 filed on April 29, 2022.

/Aiqing Wang/

Name of Attorney: Aiqing Wang
Registration No.: 80038
Date of Insertion:

Application No.: 17/773,573

Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

Assignor(s):

Lili WANG

Chi FANG

Dong WANG

Wei GAO

Haizhou ZHU

TD P1909425301VS

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 116871.000039 ("the invention"), entitled VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM ("the subject application"), which is the national stage of PCT international application number PCT/CN2020/124038, filed on 2020-10-27, which claims priority to Chinese patent application number 201911047128.2 and 201911047107.0, filed on 2019-10-30 and 2019-10-30 ("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 Bytedance Network Technology Co., Ltd., ASSIGNEE, having a place of business at Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District, Beijing, 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,

Application No.: 17773,573
Docket No.: 116871.000039

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.

Application No.: 17/773,573
Docket No.: 116871.000039

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	VIDEO PROCESSING METHOD AND APPARATUS, AND TERMINAL AND STORAGE MEDIUM
--------------------	--

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

PCT/CN2020/124038, filed 2020-10-27.

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.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

Lij WANG
Printed Name in English

Inventor's Signature

Date

Chi FANG
Printed Name in English

Inventor's Signature

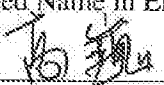
Date

Dong WANG
Printed Name in English

Inventor's Signature

Date

Wei GAO
Printed Name in English



Inventor's Signature

2022-02-16
Date

Application No.:17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

Haizhou ZHU
Printed Name in English

Inventor's Signature

Date

The foregoing Combined Declaration and Assignment covers patent application number
17/773,573, filed on April 29, 2022

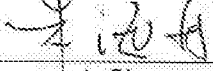
/Aiqing Wang/

Name of Attorney: Aiqing Wang
Registration No.: 80038
Date of Insertion:

Application No.: 17/773,573
Docket No.: 116871.000039

COMBINED DECLARATION AND ASSIGNMENT

Haizhou ZHU
Printed Name in English


Inventor's Signature

2022.2.16
Date

The foregoing Combined Declaration and Assignment covers patent application number 17/773,573, filed on April 29, 2022

/Aiqing Wang/

Name of Attorney: Aiqing Wang
Registration No.: 80038
Date of Insertion: