PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6989585

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HONGBIN ZHANG	10/20/2021
XIANG LI	10/19/2021
GUICHUN LI	10/19/2021
SHAN LIU	10/20/2021

RECEIVING PARTY DATA

Name:	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
Street Address:	35/F, TENCENT BUILDING, KEJIZHONGYI ROAD
Internal Address:	MIDWEST DISTRICT OF HI-TECH PARK, NANSHAN DISTRICT
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518057

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17452289

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: 7034133000

Email: nbrown@oblon.com **Correspondent Name:** OBLON ET AL. 1940 DUKE STREET Address Line 1:

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	539532US
NAME OF SUBMITTER:	NICOLE BROWN
SIGNATURE:	/Nicole Brown/
DATE SIGNED:	10/26/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 057917 FRAME: 0621

506942748



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

Title of Invention	VIDEO ENCODING AND DECODING METHODS AND APPARATUSES, DEVICE, AND STORAGE MEDIUM
As the below name	d inventor, I hereby declare that:
This declaration 🗵	The attached application, or
is directed to:	United States application or PCT international application number
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred Midwest District of the entire right, tit	cent Technology (Shenzhen) Company Limited d to as "ASSIGNEE") having places of business at: 35/F, Tencent Building, Kejizhongyi Road, f Hi-tech Park, Nanshan District, Shenzhen, Guangdong, 518057 China, is desirous of acquiring le and interest in and to said invention and in and to any Letters Patent that may be granted ited States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign of other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto he full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.
any and all foreign assignce of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME O	
Inventor: Hongbi	n ZHANG / Date: Oxt. 70th 702)
Signature:	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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

Invention	DEVICE, AND STORAGE MEDIUM
As the below name	d inventor, I hereby declare that:
This declaration 🗵	The attached application, or
is directed to:	United States application or PCT international application number
The above-identific	ed application was made or authorized to be made by me.
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referre Midwest District of the entire right, tit	d to as "ASSIGNEE") having places of business at: 35/F, Tencent Building, Kejizhongyi Road, f Hi-tech Park, Nanshan District, Shenzhen, Guangdong, 518057 China, is desirous of acquiring le and interest in and to said invention and in and to any Letters Patent that may be granted ited States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign conter relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial and any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.
any and all foreign assignce of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
	riedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	
Inventor: Xiang I	
Signature:	liane Z

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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

	EVICE, AND STORAGE MEDIUM
As the below named inv	ventor, I hereby declare that:
This declaration 🗵 Th	ne attached application, or
	nited States application or PCT international application numbered on
The above-identified app	plication was made or authorized to be made by me.
I believe that I am the or	riginal inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred to a Midwest District of Hi- the entire right, title an	Technology (Shenzhen) Company Limited as "ASSIGNEE") having places of business at: 35/F, Tencent Building, Kejizhongyi Road, tech Park, Nanshan District, Shenzhen, Guangdong, 518057 China, is desirous of acquiring and interest in and to said invention and in and to any Letters Patent that may be granted states and its territorial possessions and in any and all foreign countries;
acknowledged, and for said ASSIGNEE, the fu and in all foreign countr other relevant Internatio interest in and to any a	E, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby other good and valuable consideration, I, by these presents do sell, assign and transfer unto all and exclusive right to the said invention in the United States and its territorial possessions ries (including the right to claim priority under the terms of the International Convention and onal Trenties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial y and all foreign countries and in and to any and all divisions, reissues, continuations, als thereof.
any and all foreign con assignce of my entire ri- (his) successors and ass	and request the Patent Office Officials in the United States and its territorial possessions and entries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ight, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its signs, to the full end of the term for which said Letters Patent may be granted, as fully and uld have been held by me had this Assignment and sale not been made.
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	te that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 tof not more than five (5) years, or both.
LEGAL NAME OF INV	VENTOR
Inventor: Guichun LI	Date: 10/19/2021
Signature:	Guichen Li

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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

	VIDEO ENCODING AND DECODING METHODS AND APPARATUSES, DEVICE, AND STORAGE MEDIUM
	nventor, I hereby declare that:
	•
	The attached application, or
	United States application or PCT international application number
The above-identified a	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.
(hereinafter referred to Midwest District of High the entire right, title	nt Technology (Shenzhen) Company Limited o as "ASSIGNEE") having places of business at: 35/F, Tencent Building, Kejizhongyi Road, li-tech Park, Nanshan District, Shenzhen, Guangdong, 518057 China, is desirous of acquiring and interest in and to said invention and in and to any Letters Patent that may be granted d States and its territorial possessions and in any and all foreign countries;
acknowledged, and for said ASSIGNEE, the and in all foreign coun- other relevant Interna- interest in and to any	RE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby or other good and valuable consideration, I, by these presents do sell, assign and transfer unto full and exclusive right to the said invention in the United States and its territorial possessions ntries (including the right to claim priority under the terms of the International Convention and tional Treaties and Arrangements from the aforesaid application) and the entire right, title and and all Letters Patent which may be granted therefor in the United States and its territorial may and all foreign countries and in and to any and all divisions, reissues, continuations, wals thereof.
any and all foreign coassignee of my entire (his) successors and a	and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and rould have been held by me had this Assignment and sale not been made.
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by fine or imprisonme	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ent of not more than five (5) years, or both.
LEGAL NAME OF I	NVENTOR
Inventor: Shan LIU	Date: 2021-10-20
Signature: Shan	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

RECORDED: 10/26/2021