### 505394851 03/26/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5441645

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
YONGBIN MA		03/18/2019	
XINGXIN PEI		03/19/2019	
SHIFEI LIN		03/18/2019	
QIYUN SU		03/18/2019	
ZHENDONG TANG		03/19/2019	
LINGLING YAO		03/20/2019	
LU YAO		03/18/2019	
CAN ZHENG		03/19/2019	
RONG YAN		03/18/2018	
CHAO ZHENG		03/18/2018	
CHUNQIANG YUAN		03/18/2019	

### **RECEIVING PARTY DATA**

Name:	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
Street Address:	35/F,TENCENT BUILDING, KEJIZHONGYI ROAD, 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:	16365277	

### 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:	(703) 413-3000
Email:	YZHUANG@OBLON.COM
Correspondent Name:	OBLON, ET AL.
Address Line 1:	1940 DUKE STREET
Address Line 4:	ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	515708US
NAME OF SUBMITTER:	YAN ZHUANG
SIGNATURE:	/Yan Zhuang/
DATE SIGNED:	03/26/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 11	•

source=515708USDec-Assignment-032619#page1.tif source=515708USDec-Assignment-032619#page2.tif source=515708USDec-Assignment-032619#page3.tif source=515708USDec-Assignment-032619#page4.tif source=515708USDec-Assignment-032619#page5.tif source=515708USDec-Assignment-032619#page6.tif source=515708USDec-Assignment-032619#page7.tif source=515708USDec-Assignment-032619#page8.tif source=515708USDec-Assignment-032619#page9.tif source=515708USDec-Assignment-032619#page10.tif source=515708USDec-Assignment-032619#page11.tif

### 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	MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS,
Invention	SERVER, AND STORAGE MEDIUM

As the below named inventor, I hereby declare that:

This declaration X The attached application, or

is directed to: 🗌 United States application or PCT international application number filed on \_\_\_\_\_.

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.

WHEREAS, TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED

(hereinafter referred to as "ASSIGNEE") having places of business at: 35/F. Tencent Building, Kejizhongyi Road, Midwest District of Hi-tech Park, Nanshan District, Shenzhen, Guangdong, 518057, China , is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same 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.

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.

LEGAL NAME OF INVENTOR

Inventor: Yongbin MA Date: 2019.03.18

Signature: <u>Yongbin MA</u>

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

### Title of Invention MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS, SERVER, AND STORAGE MEDIUM

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LEGAL NAME OF INVENTOR

<u>Xinmxin Pen</u>

Inventor: Xingxin PEI

Signature:

\_\_\_\_\_ Date: <u>\_\_\_\_\_</u>D\_\_\_\_ (?

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

Title of Invention	MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS, SERVER, AND STORAGE MEDIUM
As the below nam	ied inventor, I hereby declare that:
This declaration	The attached application, or
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respecting said in continuation, subs all of said Letter: possible to aid sa	e that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me e that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me envention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, titute, renewal and reissue applications, execute all necessary assignment papers to cause any and a Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything id ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said nited States and its territorial possessions and in any and all foreign countries.
I hereby ackno by fine or impriso	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 inment of not more than five (5) years, or both.
EGAL NAME O	F INVENTOR
nventor: Shifei	LIN Date: 20/3. 33. 18
Signature:	shoper lin
	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

Title of Invention         MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS, SERVER, AND STORAGE MEDIUM
As the below named inventor, I hereby declare that:
This declaration $\bigotimes$ The attached application, or
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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.
WHEREAS, TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
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LEGAL NAME OF INVENTOR
Inventor: <u>Qiyun SU</u> Date: <u>109 MAPOH 18</u>
Signature: 2 rayun Su

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.

	MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS,
Invention	SERVER, AND STORAGE MEDIUM

As the below named inventor, I hereby declare that:

filed on

This declaration 🖾 The attached application, or

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LEGAL NAME OF INVENTOR

Inventor: Zhendong TANG

Signature: Zhendong TANG

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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I believe that I am th	e original inventor or an original joint inv	ventor of a claimed invention in the application.
WHEREAS, TEN	CENT TECHNOLOGY (SHENZHEN) C	COMPANY LIMITED
Midwest District of I the entire right, title	Hi-tech Park, Nonshan District, Shenzher	usiness at: <u>35/F. Tencent Building, Kejizhongyi Road,</u> n. Guangdone, <u>518057</u> , Chime, is desirous of acquiring and in and to any Letters Patent that may be granted id in any and all foreign countries;
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LEGAL NAME OF	INVENTOR	
Inventor Lingling	YAO	Date 2019. 3.20
Signature	<u> </u>	
	OBLON, McCLELLAND, MAI ATTORNEYS 1940 DUKE S ALEXANDRIA, VI	AT LAW STREET

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Title of	MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS,
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LEGAL NAME OF INVENTOR

Inventor: Lu YAO Date: 2019 March . 18,

Signature: Lar Yar

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LEGAL NAM	E OF INVENTOR					
Inventor: Car	Date: 03/19/2-019					

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Medwest District of the entire right, title	to as "ASSIGNEE") having places of business at: <u>35/F. Tencent Building, Keitzhongvi Road.</u> <u>Hi-tech Park, Naushan District, Shenzhen, Gaangdong, 518057, China</u> , is desirous of acquiring e and interest in and to said invention and in and to any Letters. Patent that may be granted ed States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, th and in all foreign co other relevant Intern interest in and to ar	ORE, 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 e full and exclusive right to the said invention in the United States and its territorial possessions untries (including the right to claim priority under the terms of the International Convention and rational Treaties and Arrangements from the aforesaid application) and the entire right, title and by 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, newals thereof.
any and all foreign assignce of my entir (his) successors and	te 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 re 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 would have been held by me had this Assignment and sale not been made.
Further, I agree t respecting said invo continuation, substit all of said Letters F possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ute, renewal and reissue applications, execute all necessary assignment papers to cause any and 'atent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ed States and its territorial possessions and in any and all foreign countries.
I hereby acknowl by fine or imprisonm	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 tent of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Rong YA	N. Date: 2018.03,18
Signature: ROM	9 Yan

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

filed on

### 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	MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS,				
Invention	SERVER, AND STORAGE MEDIUM				
As the below named inventor, I hereby declare that:					
This declaration	The attached application, or				
is directed to:	United States application or PCT international application number				

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.

WHEREAS, TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED

(hereinafter referred to as "ASSIGNEE") having places of business at: 35/F. Tencent Building, Kejizhongyi Road, Midwest District of Hi-tech Park, Nanshan District, Shenzhen, Guangdong, 518057, China, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same 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.

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.

LEGAL NAME OF INVENTOR

Inventor: Chao ZHENG Date: 7/8.03.

Signature: Chao ZHENG

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

Title of	MULTIMEDIA SERVICE DATA PROCESSING METHOD AND APPARATUS,
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LEGAL NAME OF INVENTOR

Inventor: Chunqiang YUAN

 Date:	2015	7.03.	18

Signature: Chinging Yuan

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

**RECORDED: 03/26/2019**