### 506330531 10/30/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6377282

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WEN GAO	10/27/2020
XIANG ZHANG	10/28/2020
SHAN LIU	10/27/2020

### **RECEIVING PARTY DATA**

Name:	TENCENT AMERICA LLC
Street Address:	2747 PARK BOULEVARD
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94306

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17084972

### **CORRESPONDENCE DATA**

**Fax Number:** (202)293-7860

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:** 2022937060

**Email:** mchoi@sughrue.com, sughrue@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

Address Line 1: 2000 PENNSYLVANIA AVENUE, N.W. SUITE 900

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	Q258424	
NAME OF SUBMITTER:	MINHEE CHOI	
SIGNATURE:	/Minhee Choi/	
DATE SIGNED:	10/30/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

### **Total Attachments: 9**

source=Q258424DeclarationandAssignmentasfiled#page1.tif source=Q258424DeclarationandAssignmentasfiled#page2.tif source=Q258424DeclarationandAssignmentasfiled#page3.tif

PATENT 506330531 REEL: 054222 FRAME: 0677

Docket No.: <u>Q258424</u> **Only After Sept 16, 2012** 

# ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

## 專利申請轉讓聲明書(37 CFR 1.63)

### Chinese Language Assignment with Declaration

鑒於,我/我们,即下面競名之發明人(以下國稱「轉讓 人」),已發明下文確認之申請中所述的若干改善之處;和	assignor(s), have invented certain improvements described in the application identified below; and	
鑒於,(地址位於)(「承讓人」)意欲購買申請和發明以及就此隨後獲取的任何美國專利中的全部權利、所有權和權益;	Whereas, TENCENT AMERICA LLC of 2747 Park Boulevard, Palo Alto, CA, 94306, United States, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;	
因此,就有值代價而言,相關收據特此確認;	Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,	
我/我們,上文指名轉讓人,特此向上文指名承讓人及其繼承人和受讓人出售、轉讓及出讓該申請中適用於美利堅合眾國的全部權利、所有權和權益,及該申請中披露的適用於美利堅合眾國的發明(包括該申請的所有分案和延續申請),及可能據此頒發的所有美國專利證書及所有再頒發之專利證書(包括35 USC 119項下的要求優先權的權利及就過往損害賠償提起訴訟的權利),及適用於所有其他國家的發明(包括經修訂1883年巴黎國際公約項下的優先權);我/我們請求美國專利及商標局局長向承讓人及其繼承人和受讓人簽發該申請中所載列之發明的任何專利證書;及我/我們特此同意承讓人可申請外國發明之專利證書,且我/我們將會應承讓人的要求,無償簽立承讓人申請美國和外國專利所必需的所有文件。	I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.	
(合法化審批無需記錄,但須作為 35 USC 261 項下執行的表面證據)	(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)	
作為下述發明人,我特此聲明;	As the below named inventor, I hereby declare that:	
該轉讓聲明書乃有關:	This assignment with declaration is directed to:	
□ 隨附的申請或	The attached application, or	
<ul><li>□ 於 日 提 交 的 美國專利申請或 PCT 國際申請號碼。</li></ul>	United States Application or PCT International Application Number filed on	
該申請有權:	The application is entitled:	
	NODE-BASED GEOMETRY AND ATTRIBUTE CODING FOR A POINT CLOUD	

#### Chinese Assignment with Declaration

我已做出或授權他人做出上述確認的申請。

我相信我是申請中要求保護的發明的原始發明人或原始聯合 發明人之一。

我已讀閱並了解提出該轉讓聲明的申請內容。

根據 37 CFR 1.56 之規定,我知悉我有義務向專利局透露據我 所知的有關專利性的所有實質性資訊。

特此確認,根據 18 USC 1001 之規定,於本轉讓聲明書中蓄意做出任何虛假聲明會被處以罰款或五 (5) 年以下監禁或兩者並罰。

The above identified application was made or was 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 have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

### STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):

The assignment with declaration is an accurate translation of the corresponding English language assignment with declaration.

Signature

Date

March 17, 2014

NAME OF SOLE OR FIRST INVENTOR: 唯一發明人或第一發明人姓名:				
Given Name (first and middle [if any]) 名字(名和中名[若有]) Wen	Family Name or Surname 姓氏	GAO		
Inventor's signature 發明人簽名	***************************************	Date 日期  0/27/2020		
Residence: 住所: Palo Alto, CA. United States				
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo A	Mailing Address:			
NAME OF SECOND INVENTOR: 第二發明人姓名:				
Given Name (first and middle [if any]) 名字(名和中名[若有])	Family Name or Surname 姓氏	ZHANG		
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: Palo Alto, CA, United States				
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo Alto, CA, 94306, United States				
NAME OF THIRD INVENTOR: 第三發明人姓名:				
Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Surname 姓氏	LIU		
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: Palo Alto, CA, United States				
Mailing Address: 通訊地址: a/a Tangant Arganica, 2747 Book Boulayand, Bala A	the CA 0430C Their I Chair			

**PATENT** 

[Page 3]

Docket No.: <u>Q258424</u> Only After Sept 16, 2012

# ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

## 專利申請轉讓聲明書(37 CFR 1.63)

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鑒於,我/我们,即下回數名之數明人(以下閱傳「轉讓 人」),已發明下文確認之申請中所述的若干改善之處;和	assignor(s), have invented certain improvements described in the application identified below; and
鑒於,(地址位於)(「承 讓人」)意欲購買申請和發明以及就此隨後獲取的任何美國 專利中的全部權利、所有權和權益;	Whereas, TENCENT AMERICA LLC of 2747 Park Boulevard, Palo Alto, CA, 94306, United States, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;
因此,就有值代價而言,相關收據特此確認:	Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
我/我們,上文指名轉讓人,特此向上文指名承讓人及其繼承人和受讓人出售、轉讓及出讓該申請中適用於美利堅合眾國的全部權利、所有權和權益,及該申請中披露的適用於美利堅合眾國的發明(包括該申請的所有分案和延續申請),及可能據此頒發的所有美國專利證書及所有再頒發之專利證書(包括35 USC 119項下的要求優先權的權利及就過往損害賠償提起訴訟的權利),及適用於所有其他國家的發明(包括經修訂1883年巴黎國際公約項下的優先權);我/我們請求美國專利及商標局局長向承讓人及其繼承人和受讓人簽發該申請中所載列之發明的任何專利證書;及我/我們特此同意承讓人可申請外國發明之專利證書,且我/我們將會應承讓人的要求,無償簽立承讓人申請美國和外國專利所必需的所有文件。	I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.
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作為下述發明人,我特此聲明:	As the below named inventor, I hereby declare that:
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□ 隨附的申請或	∑ The attached application, or
□ 於	United States Application or PCT International Application Number filed on
該申請有權:	The application is entitled:
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Inventor's signature 發明人簽名	Date 日期	
Residence: 住所: Palo Alto, CA, United States	•	
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo Alto, CA, 94306, United States		
NAME OF SECOND INVENTOR: 第二發明人姓名:		
Given Name (first and middle [if any]) 名字(名和中名[若有]) Xiang	Family Name or Surname 姓氏 ZHANG	
Inventor's signature 發明人簽名	Date 日期 10/28/2020	
Residence: 住所: Palo Alto, CA, United States		
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo Alto, CA, 94306, United States		
NAME OF THIRD INVENTOR: 第三發明人姓名:		
Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Surname 姓氏 LIU	
Inventor's signature 發明人簽名	Date 日期	
Residence: 住所: Palo Alto, CA, United States		
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo Alto, CA, 94306, United States		

**PATENT** 

[Page 3]

Docket No.: <u>Q258424</u> **Only After Sept 16, 2012** 

# ASSIGNMENT WITH DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

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□ 隨附的申請或	□ The attached application, or		
□ 於	United States Application or PCT International Application Number filed on		
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[Page 1]

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March 17, 2014

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Given Name (first and middle [if any]) 名字(名和中名[若有]) Wen	Family Name or Surname 姓氏	GAO	
Inventor's signature 發明人簽名		Date 日期	
Residence: 住所: Palo Alto, CA, United States			
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo A	dto, CA, 94306, United State	es	
NAME OF SECOND INVENTOR: 第二發明人姓名:			
Given Name (first and middle [if any]) 名字(名和中名[若有]) Xiang	Family Name or Surname 姓氏	ZHANG	
Inventor's signature 發明人簽名		Date 日期	
Residence: 住所: Palo Alto, CA, United States			
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo Alto, CA, 94306, United States			
NAME OF THIRD INVENTOR: 第三發明人姓名:			
Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Surname 姓氏	LIU	
Inventor's signature 發明人簽名 <b>Shan Liu</b>		Date 日期 <b>2020-10-27</b>	
Residence: 住所: Palo Alto, CA, United States			
Mailing Address: 通訊地址: c/o Tencent America, 2747 Park Boulevard, Palo A	dto CA 94306 United State	· S	

[Page 3] PATENT

RECORDED: 10/30/2020