505756216 11/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5803030

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIANG ZHAO	07/31/2019
XIN ZHAO	07/31/2019
XIANG LI	08/01/2019
SHAN LIU	08/02/2019

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:	16673097

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: 202-293-7060

Email: qgraham@sughrue.com, sughrue@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

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

Address Line 2: SUITE 900

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	Q248270
NAME OF SUBMITTER: QIANA GRAHAM, NEW APPLICATIONS DEPT	
SIGNATURE:	/ Qiana Graham/
DATE SIGNED:	11/04/2019

Total Attachments: 12

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Whereas, I/We, the undersigned inventor(s) hereinafter called

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/我們,即下面簽名之發明人(以下簡稱「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,及該申請申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:
図 隨附的申請或	☑ The attached application, or
於日提交的美國專利申請或PCT國際申請號碼。	United States Application or PCT International Application Number filed on
該申請有權:	The application is entitled:
	IMPROVEMENT FOR INTRA-INTER PREDICTION MODE

[Page 1]

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…。

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

W. P. W. W. V. V. V. V. V. X. V.				
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〕) Liang	Family Name or Surname 姓氏 ZHAO			
hventor's signature liang zhao 發明人簽名	Date 日期 07/31/2019			
Residence: 住所: San Diego, CA, United States				
Mailing Address: 選訊地址: c/o Tencent America LLC, 2747 Park Boulevard, I	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]) Xin	Family Name or Surname 姓氏 ZHAO			
Inventor's signature 發明人簽名	Date 日期			
Residence: 住所: Sunnyvale, CA, United States				
Mailing Address: 通訊地址: c/o Tencent America LLC, 2747 Park Boulevard, I	² alo 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]) Xiang	Family Name or Surname 姓氏 LI			
Inventor's signature 發明人簽名	Date 日期			
Residence: 住所: Los Gatos, CA, United States				
Mailing Address: 適訊地址: c/o Tencent America LLC, 2747 Park Boulevard, Palo Alto, CA, 94306, United States				
NAME OF FOURTH INVENTOR: 第四發明人姓名:				
Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Sumame 姓氏 LIU			
Inventor's signature 發明人簽名	Date 日期			
Residence: 住所: San Jose, CA, United States				
Mailing Address: 通訊地址: c/o Tencent America LLC, 2747 Park Boulevard, Palo Alto, CA, 94306, United States				

PATENT

[Page 3]

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專利申請轉讓聲明書 (37 CFR 1.63)

Chinese Language Assignment with Declaration

	7 / 我們,即下面簽名之發明人(以下簡稱「轉 1發明下文確認之申請中所述的若干改善之處;		assign	as, I/We, the undersigned inventor(s) hereinafter called or(s), have invented certain improvements described in the ation identified below; and
讓人」)	(地址位於)(意欲購買申請和發明以及就此隨後獲取的任何 5全部權利、所有權和權益;		Palo acquir	as, TENCENT AMERICA LLC of 2747 Park Boulevard, Alto, CA, 94306, United States, (assignee), desires to the entire right, title, and interest in the application and ion, and to any United States patents to be obtained or;
因此, 前	式有值代價而言。相關收據特此確認:		Now hereby	therefore, for valuable consideration, receipt whereof is acknowledged,
承國利及書11利黎局發國利及書間191,際長的明報等的報訊下及公司的國局明發展的明	門,上文指名轉讓人,特此向上文指名承讓人及 是讓人出售、轉讓及出讓該申請中適用於美利堅 起權利,所有權和權益,及該申請中披露的適用 發此頒發的所有美國專利證書及所有再頒發之專 發此頒發的所有美國專利證書及所有再頒發之專 635 的要求優先權的權利及就過往損害賠償提起訴訟 透適用於所有其他國家的發明(包括經修訂1883 公約項下的優先權);我/我們請求美國專利及 可承讓人及其繼承人和受讓人簽發該申請中所載 任何專利證書,及我/我們特此同意承讓人可申 之專利證書,且我/我們將會應承讓人的要求, 選人申請美國和外國專利所必需的所有文件。	合於)利 公年商列請眾美,證USC 他巴標之外	transfe the er invent includ Patent reissue of pric amend and the Direct Letters applications of patent considerations of the patent consideration of the patent consideration of the patent consideration of the patent consideration of the patent consideration of the patent consideration of the patent considera	the above named assignor(s), hereby sell, assign and er to the above named assignee, its successors and assigns, after right, title and interest in the application and the ion disclosed therein for the United States of America, ing all divisions, and continuations thereof, and all Letters of the United States that may be granted thereon, and all ses thereof, and all countries foreign thereto, including rights prity under the International Convention of Paris (1883) as led, including the right to claim priority under 35 USC 119 her right to sue for past damages, and I/we request the or of the U.S. Patent and Trademark Office to issue any a Patent granted upon the invention set forth in the ation to the assignee, its successors and assigns; and I/we reagree that the assignee may apply for foreign Letters on the invention and I/we will execute without further ceration all papers deemed necessary by the assignee in ction with the United States and foreign applications when upon to do so by the assignee.
	2審批無需記錄,但須作為35 執行的表面證據)	USC		ization not required for recording but is prima facie ice of execution under 35 USC 261)
作為下述	达發明人,我特此聲明:		As the	below named inventor, I hereby declare that:
該轉讓豐	紫明書乃有關:		This a	ssignment with declaration is directed to:
図 隨脚	射的申請 或			The attached application, or
	日提交的 國專利申請或PCT國際申請號碼 。		☐ Œ	United States Application or PCT International Application Number filed on
該申請有	7權:		The ap	oplication is entitled:
			<u>IMPR</u>	OVEMENT FOR INTRA-INTER PREDICTION MODE

[Page 1]

我已做出或授權他人做出上述確認的申請。

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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]) Liang	Family Name or Surname 姓氏	ZHAO		
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: San Diego, CA, United States				
Mailing Address: 選訊地址: c/o Tencent America LLC, 2747 Park Boulevard, I	Palo Alto, CA, 94306, Unite	d 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]) Xin	Pamily Name or Surname 姓氏	ZHAO		
Inventor's signature 發明人簽名 Xin Zhao		Date 日期 07/31/2019		
Residence: 住所: Sunnyvale, CA, United States				
Mailing Address: 遊訊地址: c/o Tencent America LLC, 2747 Park Boulevard, I	³ alo Alto, CA, 94306, Unite	d States		
NAME OF THIRD INVENTOR: 第三發明人姓名:				
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Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Surname 姓氏 LIU			
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PATENT

[Page 3]

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Chinese Language Assignment with Declaration

鑒於,我/我們,即下面簽名之發明人(以下簡稱「轉讓人」),已發明下文確認之申請中所述的若干改善之處;和	Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and		
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Given Name (first and middle [if any]) 名字(名和中名[若有]) Liang	Family Name or Surname 姓氏	ZHAO		
Inventor's signature 發明人簽名	.1	Date 日期		
Residence: 住所: San Diego, CA, United States				
Mailing Address: 選訊地址: c/o Tencent America LLC, 2747 Park Boulevard, I	Palo Alto, CA, 94306, United	l States		
NAME OF SECOND INVENTOR: 第二發明人姓名:	000000000000000000000000000000000000000			
Given Name (first and middle [if any]) 名字(名和中名[若有]) Xin	Family Name or Surname 姓氏	ZHAO		
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: Sunnyvale, CA, United States				
Mailing Address: 邁訊地址: c/o Tencent America LLC, 2747 Park Boulevard, I	Palo Alto, CA, 94306, United	1 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]) Xiang	Family Name or Surname 姓氏	LI		
Inventor's signature 發明人簽名	,	Date 日期 8/1/2019		
Residence: 住所: Los Gatos, CA, United States				
Mailing Address: 遠訊地址: c/o Tencent America LLC, 2747 Park Boulevard, Palo Alto, CA, 94306, United States				
NAME OF FOURTH INVENTOR: 第四發明人姓名:				
Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Surname 姓氏 LIU			
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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,且我/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:		
図 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:		
	IMPROVEMENT FOR INTRA-INTER PREDICTION MODE		

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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…。

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

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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]) Liang	Family Name or Surname 姓氏	,	ZHAO	
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: San Diego, CA, United States				
Mailing Address: 通訊地址: c/o Tencent America LLC, 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]) Xin	Family Name or Surname 姓氏		ZHAO	
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: Sunnyvale, CA, United States				
Mailing Address: 遊訊地址: c/o Tencent America LLC, 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]) Xiang	Family Name or Surname 姓氏		LI	
Inventor's signature 發明人簽名		Date 日期		
Residence: 住所: Los Gatos, CA, United States				
Mailing Address: 通訊地址: c/o Tencent America LLC, 2747 Park Boulevard, Palo Alto, CA, 94306, United States				
NAME OF FOURTH INVENTOR: 第四發明人姓名:				
Given Name (first and middle [if any]) 名字(名和中名[若有]) Shan	Family Name or Sumame 姓氏 LIU			
Inventor's signature 發明人簽名 Shan Liu		Date 日期	2019-08-02	
Residence: 住所: San Jose, CA, United States				
Mailing Address: 通訊地址: c/o Tencent America LLC 2747 Park Roulevard Palo Alto CA 94306 United States				

c/o Tencent America LLC, 2747 Park Boulevard, Palo Alto, CA, 94306, United States

PATENT

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RECORDED: 11/04/2019