506651905 05/07/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6698716

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHEUNG AUYEUNG	03/09/2021
XIANG LI	03/07/2021
SHAN LIU	03/07/2021

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:	17314687

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: bbai@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:	Q260171
NAME OF SUBMITTER:	BETSY BAI, NEW APPLICATIONS SPECIALIST
SIGNATURE:	/BETSY BAI/
DATE SIGNED:	05/07/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9

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PATENT 506651905 REEL: 056181 FRAME: 0459

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Docket No.: Q260171 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/發們、即下面簽名之發明人(以下海稱「轉讓 人」),已發明下文確認之中海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
發於。 (達址位於) (「承 遂人」) 意數職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 Pack 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,就有信代徵而言,相關收拾的此種認。	Now therefore, for valuable consideration, receipt whereof is bereby 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、轉讓及出議該申請申請用於美利堅合眾關的全部權利、所有權利權益,及該申請申披露的適用於美利堅合眾關的發明(包括該申請的所有分案和延續申請),及可能轉此頭發的所有美國專利證書及所有再頒發之專利證書(包括36 ISC 119項下的要求優先權的權利及就退往損害的權稅起訴訟的權利),及適用於所有其他國家的發明(包括經驗訂1883年巴黎國際公的項下的優先權);稅/我們請求美國專利及商權局與長向承讓人及其繼承人和受讓人資發該申請中所載利之發明的任何專利證書。及我/我們特此問該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,無償簽立承讓人申詢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 reissness thereof, and all countries foreign theasto, 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 useessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.
(合法化審批無關記錄、但領作為35 DSC 261項下執行的表面 領據)	(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)
作為下述發明人,我特此整明。	As the below named inventor, I hereby declare that:
34等30多万有网。	This assignment with declaration is directed to:
□ 解析的中語或	The attached application, or
口 於	United States Application or PCT International Application Number
海绵病有稀:	The application is entitled:
	REGION ADAPTIVE LOOP FILTER FOR VIDEO CODING
**	. *
FSP-acc	ω N3 :

Chinese Assignment with Declaration

我已做出或授權他人做出上进確認的申請。

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。

我已测阅亚丁解提出波得激擎明的中语内容。

根據37 CFR 1.56之规定,改知委我有義務向專利局透露維稅 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,於本轉讓聲明書中著意 做出任何遊襲聲明會被處以劉祉或五 (5) 年以下監禁或兩者 並編。 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 hencey 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 L69(b):

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

Signature
Date March 17, 2014

[Page 2]

NAME OF SOLE OR FIRST INVENTOR: 唯一發明人或第一發明人效化;	
Given Name (first and middle (if any j) 名字(名和中名(苏布) Cheung	Pamily Name or Sumane 終度 AUYEUNG
Invertor's signature 發展人養名	59 May 9, 2021
Residence 住所。 Sumpyrale, CA, United States Mading Address 總無無法。 contencent AMERICA LLC, 2747	Park Boulevard, Palo Alto, California 94306, USA
NAME OF SECOND INVENTOR: 第二等所入外名。	
Green Name (first and middle [if any]) 名字(名称中名(茶香 !) Niang	Family Name or Somane 技术 1.1
loventer's signature 發明人養名	Date II Si
Residence Effic Securogs, CA, United States	
Muliug Address: 選別地址: ovo TENCENT AMERICA LLC. 2747	Park Boulevard, Palo Alto, California 94306, USA
NAME OF THIRD INVENTOR: 第三条第人包含:	
Given Name (first and middle (if any)) 名字(名和中名(名名!) Shan	Family Name or Surname 数算
bryonia 's signature 發展人簽名	Date 日朝
Rendence: (1.9%) San Jose, CA, United States	
Mailing Address: · · · · · · · · · · · · · · · · · · ·	Park Boulevard, Palo Alto, California 94306, USA

[Page 3]

Docket No.: <u>Q260171</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

鑿於,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
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), 及可能讓此頒發的所有美國專利證書及所有再頒發之專利證 審(包括35 USC 119項下的要求優先權的權利及就過往損害賠 價提起訴訟的權利),及適用於所有其他關家的發明(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,無價資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
□ 於	United States Application or PCT International Application Number
該申請有權:	The application is entitled:
	REGION ADAPTIVE LOOP FILTER FOR VIDEO CODING

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, 找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獨款或五 (5) 年以下監禁或兩者 並關。 The above identified application was made or was authorized to be made by me.

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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

[Page 2]

March 17, 2014

PATENT

REEL: 056181 FRAME: 0465

NAME OF SOLE OR FIRST INVENTOR: 唯一领明人威第一教明人被名。		
Given Name (first and middle [if any]) 冬字(名和中名〔若有〕) Cheung	Pamily Norse or Surname 姓氏 AUYEUNG	
Inventor's signature 發明人簽名	Date 日期	
Residence: 部所: Sunnyvale, CA, United States		
Mailing Address: 通訊地址: c/o TENCENT AMERICA LLC, 2747 Park Boule	vard, Palo Alto, California 94306, USA	
NAME OF SECOND INVENTOR: 第二發明人姓名:		
Given Name (first and middle (if any)) 名字(名那中名〔若有〕) Xiang	Family Name or Surname 姓氏 L.I	
Inventor's signature 發明人簽名 Vian 2	Date 日期 3/7/2021	
Residence: 年第1 Saratoga, CA, United States		
Mailing Address: 通訊地址: c/o TENCENT AMERICA LLC, 2747 Park Boulevard, Palo Alto, California 94306, USA		
NAME OF THIRD INVENTOR: 第三菱明人姓名:		
Given Name (first and middle [if any]) 名字(名那中名[著有]) Shan	Family Name or Surname 姓氏 LRU	
Inventor's signature 發明人簽名	Date 日第	
Residence: 住所: San Jose, CA, United States		
Mailing Address: 遠部地址: e/o TENCENT AMERICA I.I.C, 2747 Park Boule	vard, Palo Alto, Californía 94306, USA	

Docket No.: <u>Q260171</u> Only After Sept 16, 2012

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

攀於,我/我們,即下面簽名之發明人(以下簡稱「轉讓

人」), 己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, <u>TENCENT AMERICA LLC of 2747 Park Boulevard</u> , <u>Palo Alto, CA, 94306, United States</u> , (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,及該申認中披露的適用於美 利堅合眾國的發明(包括該申請的所有分案和延續申請), 及可能據此演發的所有美國專利證書及所有再演發之專利證 審(包括35 USC 119項下的要求優先權的權利及就遷往損害賠 僭提起訴訟的權利),及適用於所有其他關家的發明(包括 經緣訂1883年巴黎國際公約項下的優先權);我/我們請求 美國專利及商標周局長向承讓人及其繼承人和受讓人簽穀該 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/我們特會應承讓 人的要求,無假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:
□ 縫附的申請或	☐ The attached application, or
□ 於	United States Application or PCT International Application Numberfiled on
該申請有權:	The application is entifled:
	REGION ADAPTIVE LOOP FILTER FOR VIDEO CODING

[Page 1]

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。

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

Signature

Date

[Page 2]

March 17, 2014

PATENT

REEL: 056181 FRAME: 0468

NAME OF SOLE OR FIRST INVENTOR: 唯一發明人或第一發明人就名。			
Given Name (first and middle [if my]) 名字(名和中名[若有]) Cheung	Family Name of Surname 姓氏 AUYEUNG		
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, Palo Alto, California 94306, USA			
NAME OF SECOND INVENTOR: 第二發明人姓名:			
Given Name (first and middle (if anyl) 名字(名称中名《若有》) Xiang	Family Name or Surname 姓氏		
Inventor's signature 發明人簽名	Date 日期		
Residence: 住所: Saratoga, CA, United States			
Mailing Address: 趣無地址 c/o TENCENT AMERICA LLC, 2747 Park Boulevard, Palo Alto, California 94306, USA			
NAME OF THIRD INVENTOR: 第三發明人姓名:			
Given Name (first and middle (if any)) 名字(名那中名〔著有〕) Shan	Family Name or Surname 姓氏 LRJ		
Inventor's signature	Date 日期 2021-03-07		
Residence: 住所: San Jose, CA, United States			
Mailing Address: 遠部地址: c/o TENCENT AMERICA I.LC, 2747 Park Bouley	vard, Palo Alto, Californía 94306, USA		

[Page 3] PATENT

RECORDED: 05/07/2021

REEL: 056181 FRAME: 0469