505771624 11/13/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5818441

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ				
		Name Exec	ution Date		
ZHENGWEI YANG		11/12/2	2019		
HUANG TANG		11/12/2	2019		
XIAOPENG ZHANG		11/12/2	2019		
RECEIVING PARTY DA	TA				
Name:	TENCE	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED			
Street Address:		35/F,TENCENT BUILDING, KEJIZHONGYI ROAD, MIDWEST DISTRICT OF HI-TECH PARK, NANSHAN DISTRICT			
City:	SHENZ	SHENZHEN, GUANGDONG			
State/Country:	CHINA	CHINA			
Postal Code:	518057				
	Total: 1	Number			
PROPERTY NUMBERS Property Type	Total: 1	Number			
		Number 6682552			
Property Type Application Number:	1				
Property Type	1 DATA				
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PATENT REEL: 051003 FRAME: 0107 Attorney Docket Number: 18PCT295/US/524494US

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 KEYWORD EXTRACTION METHOD AND APPARATUS, STORAG	<u>JE</u>				
Invention MEDIUM, AND ELECTRONIC APPARATUS					
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: <u>35/F. Tencent Building. Kejit</u> <u>Midwest District of Hi-tech Park. Nanshan District. Shenzhen. Guangdong. 518057. China</u> , is desirou the entire right, title and interest in and to said invention and in and to any Letters Patent that m therefore in the United States and its territorial possessions and in any and all foreign countries;	us of acquiring				
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whe acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territori and in all foreign countries (including the right to claim priority under the terms of the International C other relevant International Treaties and Arrangements from the aforesaid application) and the entire interest in and to any and all Letters Patent which may be granted therefor in the United States and possessions and in any and all foreign countries and in and to any and all divisions, reissues, substitutions and renewals thereof.	d transfer unto ial possessions convention and right, title and d its territorial				
I hereby authorize and request the Patent Office Officials in the United States and its territorial pa any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASS assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said A (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted entirely as the same would have been held by me had this Assignment and sale not been made.	IGNEE as the SSIGNEE, its				
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 1 by fine or imprisonment of not more than five (5) years, or both.	8 U.S.C. 1001				
LEGAL NAME OF INVENTOR					
Inventor: Zhengwei YANG Date: 2>17. 11.12					
Signature: <u>Zhengwei YANG</u>					

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

> 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> > PATENT REEL: 051003 FRAME: 0108

Attorney Docket Number: 18PCT295/US/524494US

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 KEY WORD EXTRACTION METHOD AND APPARATUS, STORAGE MEDIUM, AND ELECTRONIC APPARATUS

As the below named inventor, I hereby declare that:

This declaration \square The attached application, or

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

TANG

(hereinafter referred to as "ASSIGNEE") having places of business at: <u>35/F. Tencent Building, Kejizhongvi Road,</u> Midwest District of Hi-tech Park, Nanshan District, Shenzhen, Guangdong, <u>518057</u>, <u>China</u>, 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 assignce 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

		2019 SI	1 15	
	Date:	1.14	. 12	
***************************************			*********************	

Inventor: Huang TANG

Signature: HUANA

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

> 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Attorney Docket Number: 18PCT295/US/524494US

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	KEYWORD EXTRACTION METHOD AND APPARATUS, STORAGE
Invention	MEDIUM, AND ELECTRONIC APPARATUS
As the below name	d inventor, I hereby declare that:
	The attached application, or
	United States application or PCT international application number
	filed on
The above-identific	d application was made or authorized to be made by me.
I believe that I am th	he original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, TEN	ICENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
Midwest District of the entire right, titl	to as "ASSIGNEE") having places of business at: <u>35/F. Tencent Building. Kejizhongyi Road</u> <u>'Hi-teeh Park, Nanshan District, Shenzhen, Guangdong, 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 ted States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, th and in all foreign cc other relevant Inter- interest in and to a	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 the full and exclusive right to the said invention in the United States and its territorial possessions pointries (including the right to claim priority under the terms of the International Convention and national 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, newals thereof.
any and all foreign assignce of my enti (his) successors and	ze 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 I 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.
respecting said inv continuation, substi- all of said Letters I 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, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent 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 ted States and its territorial possessions and in any and all foreign countries.
I hereby acknow by fine or imprisonr	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Xiaopen	g ZHANG Date: 2º(9. 11.12
Signature: <u>Xi</u> @	peng 2HANG
	OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 051003 FRAME: 0110

RECORDED: 11/13/2019