505036489 08/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5083240

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHAO QIN	04/19/2018
ZHUO WEI	04/24/2018
SHUNAN FAN	04/18/2018

RECEIVING PARTY DATA

Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	HUAWEI ADMINISTRATION BUILDING
Internal Address:	BANTIAN, LONGGANG DISTRICT
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15771300

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Email: apsi@fr.com

Correspondent Name: FISH & RICHARDSON P.C.

Address Line 1: P.O. BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	43968-0174US1
NAME OF SUBMITTER:	SUSAN C. JOHNSON
SIGNATURE:	/Susan C. Johnson/
DATE SIGNED:	08/05/2018

Total Attachments: 6

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PATENT 505036489 REEL: 046557 FRAME: 0458

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Attorney Docket No. <u>43968-0174US1</u> Client Reference No. 84565750US06

ASSIGNMENT

WHEREAS, WE,

Chao Qin Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Shunan Fan Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA. Zhuo Wei 20 Science Park Road, #03-31, Teletech Park, Singapore Science Park II. Singapore 117674, Singapore; and

have invented and own a certain invention entitled:

FACE VERIFICATION METHOD AND ELECTRONIC DEVICE

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 4/26/2018, under U.S. Application No. 15771300 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA;, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to

In re Appln. of Qin et al. Attorney Docket No. <u>43968-017</u>4US1

perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date_/	Apr. 19. 2018	<u>Chao Qin</u> Chao Qin	
		Court Con	
Date		Zhno Wei	
Date	×		
. ''		Sbonan Pan	

Attorney Docket No. 43968-0174US1 Client Reference No. 84565750US06

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In re Appln. of Qin et al. Attorney Docket No. 43968-0174US1

other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

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Date		
		Chao Qin
	8 %	
Date/	3771 34 ,2018	Zhuo Wei
Date		
7		Shunan Fan

Attorney Docket No. <u>43968-0174U</u>S1 Client Reference No. 84565750US06

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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date	23	
	Chao Qin	
	•	
Date	At	
	∦ Zhuo Wei	
Date April 19, 2018	Shunan Fan	
*	Shunan Fan	-