06/15/2020 506107298

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6154020

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY	DATA					
		Name		Execution Date		
WENFU WU				08/24/2015		
RECEIVING PARTY D	ΑΤΑ					
Name:	Huawei ⁻	Huawei Technologies Co., Ltd.				
Street Address:	Huawei /	Huawei Administration Building				
Internal Address:	Bantian,	Bantian, Longgang District				
City:	Shenzhe	Shenzhen, Guangdong				
State/Country:	CHINA	CHINA				
Postal Code:	518129	518129				
Property Type		Number				
Patent Number: 8787		787314				
CORRESPONDENCE	DATA					
Fax Number	(*	12)616-5700				
	•	12)616-5700 he e-mail address first; if	that is unsuccess	sful, it will be sent		
using a fax number, i	be sent to a f provided;	he e-mail address first; if if that is unsuccessful, it				
<i>Correspondence will using a fax number, i</i> Phone:	be sent to a f provided; (3	he e-mail address first; if if that is unsuccessful, it 12) 616-5600				
<i>Correspondence will using a fax number, i</i> Phone: Email:	be sent to a f provided; (3 a	<i>he e-mail address first; if</i> <i>if that is unsuccessful, it</i> 12) 616-5600 ssignments@leydig.com	will be sent via US			
Correspondence will using a fax number, i Phone: Email: Correspondent Name	be sent to a f provided; (3 a : L	<i>he e-mail address first; if</i> <i>if that is unsuccessful, it</i> 12) 616-5600 signments@leydig.com EYDIG, VOIT & MAYER, L	<i>will be sent via U</i> s TD.			
Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1:	be sent to a f provided; (3 a : L T	<i>he e-mail address first; if</i> <i>if that is unsuccessful, it</i> 12) 616-5600 ssignments@leydig.com EYDIG, VOIT & MAYER, L WO PRUDENTIAL PLAZA,	<i>will be sent via U</i> S TD. SUITE 4900			
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Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	be sent to a f provided; (a : L T 1 C NUMBER:	he e-mail address first; if if that is unsuccessful, it 12) 616-5600 ssignments@leydig.com EYDIG, VOIT & MAYER, L WO PRUDENTIAL PLAZA, 30 NORTH STETSON AVE HICAGO, ILLINOIS 60601-	<i>will be sent via U</i> S TD. SUITE 4900 :NUE			
Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	be sent to a f provided; (a : L T 1 C NUMBER:	he e-mail address first; if if that is unsuccessful, it 12) 616-5600 ssignments@leydig.com EYDIG, VOIT & MAYER, L WO PRUDENTIAL PLAZA, 80 NORTH STETSON AVE HICAGO, ILLINOIS 60601- 13674-546	<i>will be sent via U</i> S TD. SUITE 4900 :NUE			
Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET M NAME OF SUBMITTER	be sent to a f provided; (a : L T 1 C NUMBER:	he e-mail address first; if if that is unsuccessful, it 12) 616-5600 ssignments@leydig.com EYDIG, VOIT & MAYER, L WO PRUDENTIAL PLAZA, 80 NORTH STETSON AVE HICAGO, ILLINOIS 60601- 13674-546 KAJAL AMIN	<i>will be sent via U</i> S TD. SUITE 4900 :NUE			
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3498758

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY I	ΟΑΤΑ					
		Name	Execution Date			
WENFU WU			08/24/2015			
RECEIVING PARTY D	ΑΤΑ					
Name:	HUAWEI TECHNOLOGIES CO., LTD.					
Street Address:	HUAWEI	HUAWEI ADMINISTRATION BUILDING				
Internal Address:	BANTIAN	BANTIAN, LONGGANG DISTRICT				
City:	SHENZH	SHENZHEN				
State/Country:	CHINA					
Postal Code:	518129		and and the first of the first			
Patent Number:	0	537779				
COBRESPONDENCE						
		469)277-5901				
Fax Number: Correspondence will	(4 be sent to t	469)277-5901 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent	ccessful, it will be sent via US Mail.			
Fax Number: Correspondence will using a fax number, i	4) be sent to t f provided;		uccessful, it will be sent via US Mail.			
Fax Number: <i>Correspondence will using a fax number, i</i> Phone:	4) be sent to t f provided; 80 us	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 6-755-28785411 spatent@huawei.com	ccessful, it will be sent via US Mail.			
Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name	(4 be sent to t f provided; 86 ی: H	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 6-755-28785411 spatent@huawei.com IUAWEI TECHNOLOGIES CO., LTD.	via US Mail.			
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Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I	(4 be sent to t f provided; 86 us us us s: H B B S NUMBER:	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 6-755-28785411 spatent@huawei.com IUAWEI TECHNOLOGIES CO., LTD. UILDING G1-2, HUAWEI INDUSTRIAL ANTIAN,LONGGANG DISTRICT HENZHEN, CHINA 518129 0810596US	via US Mail.			
using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2:	(4 be sent to t f provided; 86 us us us s: H B B S NUMBER:	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 6-755-28785411 spatent@huawei.com IUAWEI TECHNOLOGIES CO., LTD. UILDING G1-2, HUAWEI INDUSTRIAL ANTIAN,LONGGANG DISTRICT SHENZHEN, CHINA 518129 0810596US SHUANG LIU	via US Mail.			
Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET IN NAME OF SUBMITTER SIGNATURE:	(4 be sent to t f provided; 86 us us us s: H B B S NUMBER:	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 6-755-28785411 spatent@huawei.com IUAWEI TECHNOLOGIES CO., LTD. UILDING G1-2, HUAWEI INDUSTRIAL ANTIAN,LONGGANG DISTRICT SHENZHEN, CHINA 518129 0810596US SHUANG LIU /Shuang Liu/	via US Mail.			
Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I IAME OF SUBMITTER SIGNATURE: DATE SIGNED: Total Attachments: 2 ource=8537779 Huawe	(4 be sent to t f provided; 86 us us :: H B B. S NUMBER: R: Ei Confirmato	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 6-755-28785411 spatent@huawei.com IUAWEI TECHNOLOGIES CO., LTD. UILDING G1-2, HUAWEI INDUSTRIAL ANTIAN,LONGGANG DISTRICT SHENZHEN, CHINA 518129 0810596US SHUANG LIU /Shuang Liu/	via US Mail.			

PATENT REEL: 036419 FRAME: 0556 PATENT REEL: 052941 FRAME: 0349

503452132

PATENT

CONFIRMATORY ASSIGNMENT

WHEREAS, I,

Wenfu Wu Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China

conceived a certain invention entitled <u>METHOD, SYSTEM, AND APPARATUS FOR</u> <u>REGISTRATION PROCESSING</u> for which an application (provisional or non-provisional) for a U.S. patent, which was filed on <u>October 19, 2009</u>, under U.S. Application No. <u>12/581,575</u>, now US Patent No. <u>8,537,779</u>, and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter referred to as Assignee, was assigned the invention at the time of the invention by virtue of at least one of my employment agreement with Huawei, a previous assignment of the invention, and my employment and applicable law, including 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 the invention therein, the assignment including other such applications and patents that claim priority to the patent application or from which the applications, continuations-in-part, divisional applications, 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.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, and for the avoidance of any possible doubt, to the extent We have any rights remaining in the invention, I assign and transfer to the Assignee and the Assignce'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, including all rights to past, present, and future damages, all rights to commence and prosecute legal proceedings, and all rights to any recovery and any form of relief in any legal proceeding relating to the patent application. This assignment shall include all other such applications and patents that claim priority to the patent application or from which the application claims priority (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 I do hereby authorize and request the Commissioner of Patents to issue U.S. patents and provide all appropriate certificates to the above-mentioned Assignee agreeably with the terms of this assignment document.

> PATENT REEL: 036419 FRAME: 0557 PATENT REEL: 052941 FRAME: 0350

In re Appln. of Wu

I 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.

;

I DO HEREBY COVENANT and agree with the Assignee that I will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I will at any time upon request, without further or additional consideration, but at the expense of the Assignce, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignce'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, I have hereunder set our hands on the dates shown below.

Date Aug 24, 2015 Wenter WU

RECORDED: 08/26/2015

RECORDED: 06/15/2020

PATENT REEL: 036419 FRAME: 0558 PATENT REEL: 052941 FRAME: 0351