

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3209238

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF THE FOURTH INVENTOR FROM JAI QI TO JIA QI, previously recorded on Reel 034694 Frame 0147. Assignor(s) hereby confirms the FOURTH INVENTOR SHOULD READ JIA QI.

CONVEYING PARTY DATA

Name	Execution Date
CONGCHAO ZHU	12/12/2014
GANG CHEN	12/13/2014
HAO WANG	12/18/2014
JIA QI	12/11/2014
WEI LUO	12/12/2014
CHENG DU	12/10/2014
BIN DENG	12/10/2014

RECEIVING PARTY DATA

Name:	HUAWEI DEVICE CO., LTD.
Street Address:	Building B2, Huawei Industrial Base
Internal Address:	Bantian, Longgang District
City:	Shenzhen
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14575703

CORRESPONDENCE DATA

Fax Number: (972)731-2289
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: 972-731-2288
Email: dallaspatents@dfw.conleyrose.com
Correspondent Name: GRANT RODOLPH
Address Line 1: 5601 GRANITE PARKWAY, SUITE 500
Address Line 4: PLANO, TEXAS 75024-6616

ATTORNEY DOCKET NUMBER:	4437-21700 (83660549US05)
--------------------------------	---------------------------

NAME OF SUBMITTER:	GRANT RODOLPH
SIGNATURE:	/Grant Rodolph/
DATE SIGNED:	02/03/2015
Total Attachments: 10 source=4437-21700_Corrected_Assignment#page1.tif source=4437-21700_Corrected_Assignment#page2.tif source=4437-21700_Corrected_Assignment#page3.tif source=4437-21700_Corrected_Assignment#page4.tif source=4437-21700_Corrected_Assignment#page5.tif source=4437-21700_Corrected_Assignment#page6.tif source=4437-21700_Corrected_Assignment#page7.tif source=4437-21700_Corrected_Assignment#page8.tif source=4437-21700_Corrected_Assignment#page9.tif source=4437-21700_Corrected_Assignment#page10.tif	

ASSIGNMENT

WHEREAS, WE,

Congchao ZHU
BuildingB2, Huawei Industrial Base
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA. ;and

Gang CHEN
BuildingB2, Huawei Industrial
Base Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA. ;and

Hao WANG
BuildingB2, Huawei Industrial Base
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA. ;and

Jia QI
BuildingB2, Huawei Industrial
Base Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA. ;and

Wei LUO
BuildingB2, Huawei Industrial Base
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA. ;and

Cheng DU
BuildingB2, Huawei Industrial
Base Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA. ;and

Bin DENG
BuildingB2, Huawei Industrial Base
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.

have invented and own a certain invention entitled:
IMAGE PROCESSING METHOD AND APPARATUS, AND SHOOTING TERMINAL
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 18 Dec 2014, under U.S. Application No. 14/575,703, and

WHEREAS, HUAWEI DEVICE CO., LTD., of BuildingB2, Huawei Industrial Base,
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.

In re Appln. of ZHU et al.
Attorney Docket No. 4437-21700

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 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 <u>Dec 12, 2014</u>	<u>Congchao ZHU</u> Congchao ZHU
Date _____	_____ Gang CHEN
Date _____	_____ Hao WANG
Date _____	_____ Jia QI
Date _____	_____ Wei LUO
Date _____	_____ Cheng DU
Date _____	_____ Bin DENG

In re Appln. of ZHU et al.
Attorney Docket No. 4437-21700

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 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 _____	_____
	Congchao ZHU
Date <u>Dec. 13, 2014</u>	_____
	<u>Gang CHEN</u>
	Gang CHEN
Date _____	_____
	Hao WANG
Date _____	_____
	Jia QI
Date _____	_____
	Wei LUO
Date _____	_____
	Cheng DU
Date _____	_____
	Bin DENG

In re Appln. of ZHU et al.
Attorney Docket No. 4437-21700

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 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 _____	_____
	Congchao ZHU
Date _____	_____
	Gang CHEN
Date <u>Dec. 18. 2014</u>	<u>Hao WANG</u>
	Hao WANG
Date _____	_____
	Jia QI
Date _____	_____
	Wei LUO
Date _____	_____
	Cheng DU
Date _____	_____
	Bin DENG

In re Appln. of ZHU et al.
Attorney Docket No. 4437-21700

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 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 _____	_____
	Congchao ZHU
Date _____	_____
	Gang CHEN
Date _____	_____
	Hao WANG
Date <u>Dec. 11, 2014</u>	<u>Jia Qi</u>
	Jia Qi
Date _____	_____
	Wei LUO
Date _____	_____
	Cheng DU
Date _____	_____
	Bin DENG

In re Appln. of ZHU et al.
Attorney Docket No. 4437-21700

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 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 _____
Congchao ZHU

Date _____
Gang CHEN

Date _____
Hao WANG

Date _____
Jia QI

Date 12/12/2014
Wei Luo
Wei LUO

Date _____
Cheng DU

Date _____
Bin DENG

In re Appln. of ZHU et al.
Attorney Docket No. 4437-21700

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 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 _____	_____
	Congchao ZHU
Date _____	_____
	Gang CHEN
Date _____	_____
	Hao WANG
Date _____	_____
	Jia QI
Date _____	_____
	Wei LUO
Date <u>2010.12.10</u>	_____ <i>Cheng DU</i>
	Cheng DU
Date <u>2014.12.10</u>	_____ <i>Bin DENG</i>
	Bin DENG

ASSIGNEE:

HUAWEI DEVICE CO., LTD.
BUILDING B2, HUAWEI INDUSTRIAL BASE
BANTIAN, LONGGANG DISTRICT
SHENZHEN, CHINA 518129

APPLICATION NUMBER: 14575703

FILING DATE: 12/18/2014

PATENT NUMBER:

ISSUE DATE:

TITLE: IMAGE PROCESSING METHOD AND APPARATUS, AND SHOOTING TERMINAL

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3180032

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CONGCHAO ZHU	12/12/2014
GANG CHEN	12/13/2014
HAO WANG	12/18/2014
JAI QI	12/11/2014
WEI LUO	12/12/2014
CHENG DU	12/10/2014
BIN DENG	12/10/2014
RECEIVING PARTY DATA	
Name:	HUAWEI DEVICE CO., LTD.
Street Address:	Building B2, Huawei Industrial Base
Internal Address:	Bantian, Longgang District
City:	Shenzhen
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14575703
CORRESPONDENCE DATA	
Fax Number:	(972)731-2289
<i>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.</i>	
Phone:	972-731-2288
Email:	dallaspatents@dfw.conleyrose.com
Correspondent Name:	GRANT RODOLPH
Address Line 1:	5601 GRANITE PARKWAY, SUITE 500
Address Line 4:	PLANO, TEXAS 75024-6616
ATTORNEY DOCKET NUMBER:	4437-21700 (83660549US05)
NAME OF SUBMITTER:	GRANT RODOLPH
SIGNATURE:	/Grant Rodolph/