## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Peilin Yang	04/15/2012
Wenxiao Yu	04/15/2012
Xiangsheng Xu	04/15/2012
Youqing Yang	04/15/2012
Yinliang Hu	04/15/2012

#### 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:	13457198

## **CORRESPONDENCE DATA**

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via US Mail.

501902108

Correspondent Name: Gustavo Siller, Jr.

Address Line 1: Brinks, Hofer, Gilson & Lione

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Address Line 4: Chicago, ILLINOIS 60610

ATTORNEY DOCKET NUMBER: 13674-786

PATENT

REEL: 028114 FRAME: 0490

NAME OF SUBMITTER:	Gustavo Siller, Jr.
Total Attachments: 7 source=13674-786Assignment#page1.tif source=13674-786Assignment#page2.tif source=13674-786Assignment#page3.tif source=13674-786Assignment#page4.tif source=13674-786Assignment#page5.tif source=13674-786Assignment#page6.tif source=13674-786Assignment#page7.tif	

Client/Matter No. 13674-786 Client Ref. No. 81359022US04

	RECORDATION FORM COVER SHEET PATENTS ONLY			
	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:			
1.	Name of conveying Party(ies):	2. Name and Address of receiving Party(ies):		
Ad	PEILIN YANG/APRIL 15, 2012 WENXIAO YU/APRIL 15, 2012 XIANGSHENG XU/APRIL 15, 2012 YOUQING YANG/APRIL 15, 2012 YINLIANG HU/APRIL 15, 2012 Iditional name(s) of conveying party(ies) attached?	LTD. Address: Huawei Bantian Shenzh	Administration Building , Longgang District en,518129, Guangdong	
3.		P. R. C	nina	
	Execution Date(s): April 15, 2012			
	Assignment	e Additional name(s) and address	es attached? ☐ Yes ⊠ No	
4. Application or Patent Number(s).			new application.	
A.	Patent Application No.(s):	B. Patent No.(s):		
	Additional numl	attached?		
5.	Name and address of party to whom corresponde concerning document should be mailed:	6. Total no. of applications	& patents involved: 1	
	BRINKS HOFER GILSON & LIONE PO BOX 10395	☐ Enclosed	,	
	CHICAGO, IL 60610	8. Payment Information:		
	Phone: (312) 321-4200 Fax: (312) 321-4299	a. Credit Card: Last 4 Nui Expiration		
		b. ⊠ Charge fee and/or any E Account Number 23-192 Authorized User Name:		
9.	Signature: /Gustavo Siller, Jr./	April 26	, 2012	
	Signature	Da		
	Gustavo Siller, Jr.  Name of Person Signing	Total no. of pages incl attachments and docu		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

Attorney Docket No.
Client Reference No. 81359022US04

#### ASSIGNMENT

#### WHEREAS, WE,

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

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

Yinliang HU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Wenxiao YU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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

have invented and own a certain invention entitled:
METHOD, APPARATUS, AND SYSTEM FOR EVALUATING VIDEO QUALITY
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on\_\_\_\_\_\_, under U.S. Application No.\_\_\_\_\_and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of 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

In re	Appln.	of Yang	et al.
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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 Spril 15. 2012	Perlin YONG
Date April 15.2012	Pellin YANG Anywan Dong Witness
Date April 15 2012	Yinhua Wang Witness
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Date April 15, 2012	Wenxiao YU Wenxiao YU
Date April. 15, 2012	Jinhui Zhang Witness
Date April . 15 . 2012	Kai Guo Wimess
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Date April 15, 2012	Kingsheng XU
Date April 15, 2012	Xiangsheng XU
<b></b>	Chao JIANG Witness
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Date	Youqing YANG
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Walter Company Control of the Contro	Witness
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Date	Yinliang HU
Date	Witness
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In re Appln. of Yang et al. Attorney Docket No.

# Attorney Docket No. Client Reference No. 81359022US04

#### ASSIGNMENT

# WHEREAS, WE,

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

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

Yinliang HU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; Wenxiao YU Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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

have invented and own a certain invention entitled:
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for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on\_\_\_\_\_\_, under U.S. Application No.\_\_\_\_\_and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of 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

In re Appln. of Yan	g et al.
Attorney Docket No	5.

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.

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Xiangsheng XU
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Attorney	Docket No.	A. W. 191 . 191 . 191

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Date Apr. 15, 2012	Youging YANG
Date ( 17 15 × 2012	Youqing YANG Ir Jun 1.
Date Apr. 15. 2012	Witness  Jinhai Zhang
	Witness
Date A 12 15 2012	Tinliany Hu
Date 15. 2/2	Yinliang HU
	Witness
Date 15, 20/2	Jinhui Zhang Witness