

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Fengyan QI</td> <td>11/23/2011</td> </tr> <tr> <td>Lei MIAO</td> <td>11/23/2011</td> </tr> <tr> <td>Qing ZHANG</td> <td>11/24/2011</td> </tr> </tbody> </table>		Name	Execution Date	Fengyan QI	11/23/2011	Lei MIAO	11/23/2011	Qing ZHANG	11/24/2011
Name	Execution Date								
Fengyan QI	11/23/2011								
Lei MIAO	11/23/2011								
Qing ZHANG	11/24/2011								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13309373</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13309373				
Property Type	Number								
Application Number:	13309373								
CORRESPONDENCE DATA									
Fax Number:	(312)616-5700								
Phone:	312-616-5600								
Email:	assignments@leydig.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Leydig, Voit & Mayer, Ltd.								
Address Line 1:	Two Prudential Plaza, Suite 4900								
Address Line 2:	180 N. Stetson Avenue								
Address Line 4:	Chicago, ILLINOIS 60601-6731								
ATTORNEY DOCKET NUMBER:	HW709387								
NAME OF SUBMITTER:	John B. Conklin								
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif									

CH \$40.00 13309373

## ASSIGNMENT

## WHEREAS, WE,

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

Lei MIAO  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

Qing ZHANG  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

have invented and own a certain invention entitled:  
COMPRESSION CODING AND DECODING METHOD, CODER, DECODER, AND  
CODING DEVICE  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 12/01/2011, under U.S. Application No. 13/309,373, 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  
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

In re Appln. of Qi et al.  
Attorney Docket No. HW709387

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 November 23, 2011 Fengyan QI  
Fengyan QI

Date November 23, 2011 Zexin LU  
Witness

Date November 23, 2011 Zhe WANG  
Witness

Date November 23, 2011 Lei MIAO  
Lei MIAO

Date November 23, 2011 Zexin LU  
Witness

Date November 23, 2011 Zhe WANG  
Witness

Date \_\_\_\_\_ Qing ZHANG

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

Witness

2  
Witness

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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 \_\_\_\_\_  
Fengyan Qi

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Lei MIAO

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

Date November 24, 2011  
Qing Zhang  
Qing ZHANG

Date November 24, 2011  
Jianfeng XU  
Witness

Date November 24, 2011  
Yue Lang  
Witness