

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>Haitao Yang</td> <td>09/05/2013</td> </tr> <tr> <td>Chao Pang</td> <td>09/05/2013</td> </tr> <tr> <td>Zilian Ou</td> <td>07/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Haitao Yang	09/05/2013	Chao Pang	09/05/2013	Zilian Ou	07/15/2013
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<table border="1"> <tr> <td>Name:</td> <td>Huawei Technologies Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Huawei Administration Building, Bantian, Longgang District</td> </tr> <tr> <td>City:</td> <td>Shenzhen, 518129, Guangdong, P.R.</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> </table>		Name:	Huawei Technologies Co., Ltd.	Street Address:	Huawei Administration Building, Bantian, Longgang District	City:	Shenzhen, 518129, Guangdong, P.R.	State/Country:	CHINA
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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>14024047</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14024047				
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CORRESPONDENCE DATA									
Fax Number: 9726283616 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 972 628 3600 Email: patents@munckwilson.com Correspondent Name: Docket Clerk/HTCL Address Line 1: P.O. Drawer 800889 Address Line 4: Dallas, TEXAS 75380									
NAME OF SUBMITTER:	Robert D. McCutcheon								
Signature:	/robert d. mccutcheon/								
Date:	09/11/2013								
Total Attachments: 6 source=Assignment#page1.tif									

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PATENT

Attorney Docket No. _____
Client Reference No. 83142060US14

ASSIGNMENT

WHEREAS, WE,

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

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

Zilian OU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
ENCODING METHOD AND DEVICE, AND DECODING METHOD AND DEVICE
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 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

In re Appln. of Yang et al.
 Attorney Docket No. _____

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>Sept. 5, 2013</u>	<u>Haitao Yang</u>
		Haitao YANG
Date	<u>Sept 5, 2013</u>	<u>Xin Huang</u>
		Witness
Date	<u>Sept. 5, 2013</u>	<u>Bing CHEN</u>
		Witness

Date	_____	_____
		Chao PANG
Date	_____	_____
		Witness
Date	_____	_____
		Witness

Date	_____	_____
		Zilian OU
Date	_____	_____
		Witness
Date	_____	_____
		Witness

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Attorney Docket No. _____
Client Reference No. 83142060US14

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Huawei Administration Building
Bantian, Longgang District
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P.R. CHINA; and

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In re Appln. of Yang et al.

Attorney Docket No. _____

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Date _____

Haitao YANG

Date _____

Witness

Date _____

Witness

Date Sept 05, 2013

Chao PANG
Chao PANG

Date SEP 05, 2013

Linen LONG
Witness

Date SEP 05, 2013

Kelly Wang
Witness

Date _____

Zilian OU

Date _____

Witness

Date _____

Witness

PATENT

Attorney Docket No. _____
Client Reference No. 83142060U514

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Huawei Administration Building
Bantian, Longgang District
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Shenzhen, 518129, Guangdong
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Date _____ Haitao YANG

Date _____ Witness

Date _____ Witness

Date _____ Chao PANG

Date _____ Witness

Date _____ Witness

Date 2013.7.15 Zilian
Zilian OU

Date 2013.7.15 Li Wen LONG
Witness

Date 2013.7.15 Yangbin LI
Witness