

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Yiyang Liu</td> <td>12/17/2012</td> </tr> <tr> <td>Wei Wang</td> <td>12/17/2012</td> </tr> <tr> <td>Haizhen Zheng</td> <td>12/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yiyang Liu	12/17/2012	Wei Wang	12/17/2012	Haizhen Zheng	12/17/2012				
Name	Execution Date												
Yiyang Liu	12/17/2012												
Wei Wang	12/17/2012												
Haizhen Zheng	12/17/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Huawei Technologies Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Huawei Administration Building</td> </tr> <tr> <td>Internal Address:</td> <td>Bantian, Longgang District</td> </tr> <tr> <td>City:</td> <td>Shenzhen</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>518129</td> </tr> </table>		Name:	Huawei Technologies Co., Ltd.	Street Address:	Huawei Administration Building	Internal Address:	Bantian, Longgang District	City:	Shenzhen	State/Country:	CHINA	Postal Code:	518129
Name:	Huawei Technologies Co., Ltd.												
Street Address:	Huawei Administration Building												
Internal Address:	Bantian, Longgang District												
City:	Shenzhen												
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>13732017</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13732017								
Property Type	Number												
Application Number:	13732017												
CORRESPONDENCE DATA													
<p>Fax Number: 9727312289  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 972-731-2288        Email: dallaspatents@dfw.conleyrose.com        Correspondent Name: Grant Rodolph        Address Line 1: 5601 Granite Parkway, Suite 750        Address Line 4: Plano, TEXAS 75024-6616</p>													
ATTORNEY DOCKET NUMBER:	4202-33100 (83155473US03)												
NAME OF SUBMITTER:	Nicholas K. Beaulieu												
<p>Total Attachments: 2        source=4202-33100_Assignment_Liu_Wang_Zheng#page1.tif        source=4202-33100_Assignment_Liu_Wang_Zheng#page2.tif</p>													

CH \$40.00 13732017

**PATENT**

Attorney Docket No. 4202-33100

Client Reference No. 83155473U503

**ASSIGNMENT**

**WHEREAS, WE,**

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

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

Haizhen ZHENG  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

have invented and own a certain invention entitled:

**METHOD AND DEVICE FOR DETECTING DATA RELIABILITY**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on Dec. 31, 2012, under U.S. Application No. 13732017 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 Liu et al.  
Attorney Docket No. 4202-33100

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 Dec. 17, 2012 Yiyang LIU  
Yiyang LIU

Date Dec. 17, 2012 Jin-fai XUE  
Witness

Date Dec. 17, 2012 Jiang QZ  
Witness

Date Dec. 17, 2012 Wei WANG  
Wei WANG

Date Dec. 17, 2012 Xishi QIU  
Witness

Date Dec. 17, 2012 Xiaoqing CUI  
Witness

Date Dec. 17, 2012 Haizhen ZHENG  
Haizhen ZHENG

Date Dec. 17, 2012 Kai Kai MENG  
Witness

Date Dec. 17, 2012 Yunda WANG  
Witness