

## PATENT ASSIGNMENT COVER SHEET

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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>SONGHAI CHEN</td> <td>02/26/2014</td> </tr> <tr> <td>SHIPING TANG</td> <td>02/27/2014</td> </tr> </tbody> </table>		Name	Execution Date	SONGHAI CHEN	02/26/2014	SHIPING TANG	02/27/2014
Name	Execution Date						
SONGHAI CHEN	02/26/2014						
SHIPING TANG	02/27/2014						
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>14056407</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14056407		
Property Type	Number						
Application Number:	14056407						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	HW714126						
NAME OF SUBMITTER:	JOHN B. CONKLIN						
Signature:	/John B. Conklin/						

Date:

03/03/2014

Total Attachments: 3

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**PATENT**  
Attorney Docket No. HW714126  
Client Reference No. 83618115US04

**ASSIGNMENT**

**WHEREAS, WE,**

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

Shiping TANG  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

have invented and own a certain invention entitled:  
**THREE-DIMENSIONAL BACKPLANE**  
for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 17 Oct 2013, under U.S. Application No. 14056407 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 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 re Appln. of Chen et al.  
Attorney Docket No. HW714126

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date Feb 26, 2014

Songhai CHEN  
Songhai CHEN

Date \_\_\_\_\_

\_\_\_\_\_  
Shiping TANG

In re Appln. of Chen et al.  
Attorney Docket No. HW714126

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date \_\_\_\_\_

\_\_\_\_\_  
Songhai CHEN

Date Feb. 27, 2014

Shiping TANG  
\_\_\_\_\_  
Shiping TANG