

## 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>Qingyin FANG</td> <td>08/26/2013</td> </tr> <tr> <td>Chaoping QIU</td> <td>08/27/2013</td> </tr> <tr> <td>Qiangzhi XIA</td> <td>08/31/2013</td> </tr> </tbody> </table>		Name	Execution Date	Qingyin FANG	08/26/2013	Chaoping QIU	08/27/2013	Qiangzhi XIA	08/31/2013				
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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</td> </tr> <tr> <td>Internal Address:</td> <td>Bantian, Longgang District</td> </tr> <tr> <td>City:</td> <td>Shenzhen, Guangdong</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, Guangdong	State/Country:	CHINA	Postal Code:	518129
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CORRESPONDENCE DATA													
<p>Fax Number: 3126165700  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-616-5600        Email: assignments@leydig.com        Correspondent Name: Leydig, Voit &amp; Mayer, Ltd.        Address Line 1: Two Prudential Plaza, Suite 4900        Address Line 2: 180 N. Stetson Avenue        Address Line 4: Chicago, ILLINOIS 60601-6731</p>													
ATTORNEY DOCKET NUMBER:	HW713723												
NAME OF SUBMITTER:	John B. Conklin												
Signature:	/John B. Conklin/												

PATENT

Date:

09/03/2013

Total Attachments: 4

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**PATENT**

Attorney Docket No. HW713723  
Client Reference No. 83297005U503

**ASSIGNMENT**

**WHEREAS, WE,**

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

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

Qiangzhi XIA  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

have invented and own a certain invention entitled:  
**DYNAMIC ENERGY-SAVING METHOD AND APPARATUS FOR PCIE DEVICE, AND  
COMMUNICATION SYSTEM THEREOF**

for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 09/03/2013, under U.S. Application No. \_\_\_\_\_ and

14/016,786

**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 Fang et al.  
 Attorney Docket No. HW713723

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>Aug 26, 2013</u>	<u>Qingyin FANG</u> Qingyin FANG
Date <u>Aug 26, 2013</u>	<u>Li Zhang</u> Witness
Date <u>Aug 26, 2013</u>	<u>Ruifeng Shui</u> Witness
<hr/>	
Date _____	<u>Chaoping QIU</u>
Date _____	Witness
Date _____	Witness
<hr/>	
Date _____	<u>Qiangzhi XIA</u>
Date _____	Witness
Date _____	Witness

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Date \_\_\_\_\_  
 Qingyin FANG

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

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

Date Aug 27, 2013  
Chaoping Qiu  
 Chaoping QIU

Date Aug 27, 2013  
Wang Rong  
 Witness

Date Aug 27, 2013  
Xiang Li  
 Witness

Date \_\_\_\_\_  
 Qiangzhi XIA

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

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

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Witness

=====  
Date \_\_\_\_\_  
Chaoping QIU

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

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

=====  
Date August 31, 2013 Qiangzhi XIA  
Qiangzhi XIA

Date August 31, 2013 Xiaohu HE  
Witness

Date August 31, 2013 Qian BAI  
Witness