

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xiaoan Fan</td> <td>10/28/2009</td> </tr> <tr> <td>Guang Liu</td> <td>10/28/2009</td> </tr> <tr> <td>Bo Li</td> <td>10/28/2009</td> </tr> <tr> <td>Yunzhe Hou</td> <td>10/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoan Fan	10/28/2009	Guang Liu	10/28/2009	Bo Li	10/28/2009	Yunzhe Hou	10/28/2009
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Xiaoan Fan	10/28/2009										
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Yunzhe Hou	10/28/2009										
<b>RECEIVING PARTY DATA</b>											
Name:	Huawei Technologies Co., Ltd.										
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City:	Guangdong, Shenzhen										
State/Country:	CHINA										
Postal Code:	518129										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12610618</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12610618						
Property Type	Number										
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<b>CORRESPONDENCE DATA</b>											
Fax Number:	(212)527-7701										
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NAME OF SUBMITTER:	Stacey E. Sude										
Total Attachments: 3											

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**PATENT  
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PATENT

Attorney Docket No. \_\_\_\_\_  
Client Reference No. 0814044US

ASSIGNMENT

WHEREAS, WE,

Xiaoan FAN  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA  
Bo LI  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA

Guang LIU  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA  
Yunzhe HOU  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA

have invented and own a certain invention entitled:

**Method and Apparatus for Feeding Back and Receiving Acknowledgement Information of Semi-Persistent Scheduling Data Packets**

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

PATENT

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In re Appln. of Fan et al.  
Attorney Docket No. \_\_\_\_\_

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

Date 28th. October, 2009 Xiaoan FAN

Xiaoan FAN

Date 28th. Oct. 2009 Liang Xia

Witness

Date 28th. Oct. 2009 Li Qingyu

Witness

Date 28th. Oct. 2009 Guang Liu

Guang LIU

Date 28th. Oct. 2009 Lu Yongxia

Witness

Date 28th. Oct. 2009 Miao Yumei

Witness

Date 28th. October. 2009 Bo Li

Bo LI

Date 28th October 2009 Xinwei Zhi

Witness

Date 28th. Oct. 2009 Jianbing Yang

Witness

In re Appln. of Fan et al.  
Attorney Docket No. \_\_\_\_\_

Date 28th. Oct. 2009

Yunzhe Hou

Date 28th. Oct. 2009

Yunzhe HOU

Ruina Yang

Witness

Date 28th Oct. 2009

Rong Zhou

Witness