

## 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>Yaofeng Peng</td> <td>01/21/2013</td> </tr> <tr> <td>Chengpeng Yang</td> <td>01/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yaofeng Peng	01/21/2013	Chengpeng Yang	01/21/2013
Name	Execution Date						
Yaofeng Peng	01/21/2013						
Chengpeng Yang	01/21/2013						
RECEIVING PARTY DATA							
Name:	Huawei Technologies Co., Ltd.						
Street Address:	Huawei Administration Building						
Internal Address:	Bantain, 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>13685396</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13685396		
Property Type	Number						
Application Number:	13685396						
CORRESPONDENCE DATA							
Fax Number:	3123214299						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	312)321-4200						
Email:	CBRADY@BRINKSHOFER.COM, USASSIGNMENTS@BRINKSHOFER.COM						
Correspondent Name:	Gustavo Siller, Jr.						
Address Line 1:	Brinks Hofer Gilson & Lione						
Address Line 2:	PO Box 10395						
Address Line 4:	Chicago, ILLINOIS 60610						
ATTORNEY DOCKET NUMBER:	13674-1084						
NAME OF SUBMITTER:	Gustavo Siller, Jr.						
Total Attachments: 5							

CH \$40.00 13685396

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**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

**1. Name of conveying Party(ies):**

YAOFENG PENG/JANUARY 21, 2013  
CHENGPENG YANG/JANUARY 21, 2013

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and Address of receiving Party(ies):**

Name: HUAWEI TECHNOLOGIES CO., LTD.

Address: Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong

Additional name(s) and addresses attached?  Yes  No

**3. Nature of Conveyance/Execution Date(s):**

Execution Date(s): January 21, 2013

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other: \_\_\_\_\_

**4. Application or Patent Number(s).**

This document is being filed together with a new application.

A. Patent Application No.(s):  
13/667,402

B. Patent No.(s):

Additional numbers attached?  Yes  No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

BRINKS HOFER GILSON & LIONE  
PO BOX 10395  
CHICAGO, IL 60610  
Phone: (312) 321-4200  
Fax: (312) 321-4299

**6. Total no. of applications & patents involved: 1**

**7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorize charge by credit card  
 Authorize charge to Deposit Account No. 23-1925  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information:**

- a.  Credit Card: Last 4 Numbers  
Expiration Date  
b.  Charge fee and/or any Deficiencies to Deposit  
Account Number 23-1925  
Authorized User Name: Brinks Hofer Gilson & Lione

**9. Signature:**

/Gustavo Siller, Jr./

Signature

Gustavo Siller, Jr.

Name of Person Signing

January 28, 2013

Date

Total no. of pages including coversheet,  
attachments and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, WE,

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

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

have invented and own a certain invention entitled:  
FLOW-GUIDING APPARATUS AND ELECTRONIC DEVICE INCLUDING THE  
FLOW-GUIDING APPARATUS  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 26 Nov 2012, under U.S. Application No. 13685396 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

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

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 January 21, 2013 Yaofeng PENG  
Yaofeng PENG

Date January 21, 2013 Xiaoxiao LU  
Witness

Date January 21, 2013. Weike ZHU  
Witness

Date \_\_\_\_\_  
Chengpeng YANG

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

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

ASSIGNMENT

WHEREAS, WE,

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Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA; and

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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

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Date \_\_\_\_\_  
Yaofeng PENG

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

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

Date Jan, 21, 2013  
Chengpeng Yang  
Chengpeng YANG

Date Jan. 21, 2013  
Hongting Luo  
Witness

Date Jan. 21, 2013  
XiRen Lai  
Witness