

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>Yan Mao</td> <td>02/22/2013</td> </tr> <tr> <td>Lei Cai</td> <td>02/22/2013</td> </tr> <tr> <td>Yuntao Zhu</td> <td>02/22/2013</td> </tr> <tr> <td>Shengjun Ou</td> <td>02/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yan Mao	02/22/2013	Lei Cai	02/22/2013	Yuntao Zhu	02/22/2013	Shengjun Ou	02/22/2013		
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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>Bantain, 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:	Bantain, Longgang District	City:	SHENZHEN, GUANGDONG	State/Country:	CHINA	Postal Code:	518129
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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>13781014</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13781014								
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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												
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ATTORNEY DOCKET NUMBER:	13674-1190												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
Total Attachments: 3 source=13674-1190Recordation#page1.tif source=13674-1190Recordation#page2.tif source=13674-1190Recordation#page3.tif													

CH \$40.00 13781014

PATENT

**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):

YAN MAO/FEBRUARY 22, 2013
LEI CAI/FEBRUARY 22, 2013
YUNTAO ZHU/FEBRUARY 22, 2013
SHENGJUN OU/FEBRUARY 22, 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
P. R. China

Additional name(s) and addresses attached? Yes No

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

Execution Date(s): February 22, 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):

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

February 28, 2013

Date

Total no. of pages including coversheet,
attachments and documents: **3**

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,

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

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

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

Shengjun OU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
**TRANSVERSE MAGNETIC MODE DIELECTRIC RESONATOR, TRANSVERSE
MAGNETIC MODE DIELECTRIC FILTER, AND BASE STATION**
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
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 Mao et al.
Attorney Docket No. _____

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 Feb 22, 2013 Yan MAO
Yan MAO

Date Feb 22, 2013 Qiyu ZHU
Witness

Date Feb 22, 2013 Ruoming WANG
Witness

=====
Date Feb 22, 2013 Lei CAI
Lei CAI

Date Feb 22, 2013 Yinhu ZHU
Witness

Date Feb 22, 2013 Qiyu ZHU
Witness

=====
Date Feb 22, 2013 Yuntao ZHU
Yuntao ZHU

Date Feb 22, 2013 Ling GUO
Witness

Date Feb 22, 2013 Xizosong ZHANG
Witness

=====
Date Feb. 22, 2013 shengjun OU
Shengjun OU

Date Feb 22, 2013 Wuchang Liang
Witness

Date Feb. 22, 2013 Ling GUO
Witness