

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>Ming Ai</td> <td>08/18/2012</td> </tr> <tr> <td>Weihong Xiao</td> <td>08/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ming Ai	08/18/2012	Weihong Xiao	08/18/2012						
Name	Execution Date												
Ming Ai	08/18/2012												
Weihong Xiao	08/18/2012												
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>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
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>13592149</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13592149								
Property Type	Number												
Application Number:	13592149												
CORRESPONDENCE DATA													
<p>Fax Number: 3123214299</p> <p>Phone: 3123214200</p> <p>Email: usassignments@brinkshofer.com, cbrady@brinkshofer.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Gustavo Siller, Jr.</p> <p>Address Line 1: Brinks, Hofer, Gilson & Lione</p> <p>Address Line 2: P.O. BOX 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>													
ATTORNEY DOCKET NUMBER:	13674-888												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
<p>Total Attachments: 3</p> <p>source=ASSIGNMENT#page1.tif</p> <p>source=ASSIGNMENT#page2.tif</p> <p>source=ASSIGNMENT#page3.tif</p>													

CH \$40.00 13592149

**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):

MING AI/AUGUST 18, 2012
WEIHONG XIAO/AUGUST 18, 2012

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): August 18, 2012

- | | |
|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement | |
| <input type="checkbox"/> Government Interest Assignment | |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License | |
| <input type="checkbox"/> 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

August 22, 2012

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

PATENT

Attorney Docket No. _____
Client Reference No. 83228370US03

ASSIGNMENT

WHEREAS, WE,

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

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

have invented and own a certain invention entitled:
ANTENNA, BASE STATION, AND BEAM PROCESSING METHOD
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 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.

PATENT

REEL: 028831 FRAME: 0510

In re Appln. of Ai et al.
Attorney Docket No. _____

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

Date <u>Aug. 18. 2012</u>	<u>Ming Ai</u> Ming Ai
Date <u>Aug. 18. 2012</u>	<u>Huan Wang</u> Witness
Date <u>Aug. 18. 2012</u>	<u>Wei Su</u> Witness
Date <u>Aug. 18. 2012</u>	<u>Weihong Xiao</u> Weihong XIAO
Date <u>Aug. 18. 2012</u>	<u>Dongliang Lin</u> Witness
Date <u>Aug. 18. 2012</u>	<u>Yanmin Yu</u> Witness