

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Lei Zhao</td> <td>05/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Lei Zhao	05/08/2013
Name	Execution Date				
Lei Zhao	05/08/2013				
RECEIVING PARTY DATA					
Name:	Huawei Device Co., Ltd.				
Street Address:	Building B2, Huawei Industrial Base				
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>13848390</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13848390
Property Type	Number				
Application Number:	13848390				
CORRESPONDENCE DATA					
Fax Number:	3123214299				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>					
Phone:	312)321-4200				
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Correspondent Name:	Gustavo Siller, Jr.				
Address Line 1:	Brinks Hofer Gilson & Lione				
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Address Line 4:	Chicago, ILLINOIS 60610				
ATTORNEY DOCKET NUMBER:	13674-1222				
NAME OF SUBMITTER:	Gustavo Siller, Jr.				
Signature:	/Gustavo Siller, Jr./				

Date:

06/28/2013

Total Attachments: 3

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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):

LEI ZHAO / MAY 08, 2013

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

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

Name: HUAWEI DEVICE CO.,LTD.
Address: Building B2, Huawei Industrial Base
Bantian, Longgang District
Shenzhen, Guangdong, 518129
P.R. China

Additional name(s) and addresses attached? Yes No

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

Execution Date(s): May 08, 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):
13/848,390

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

June 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

PATENT

Attorney Docket No. _____
Client Reference No. 8335532U504

ASSIGNMENT

WHEREAS, I,

Lei ZHAO
BuildingB2, Huawei Industrial
Base Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.;and

have invented and own a certain invention entitled:
DISTANCE MEASUREMENT AND ALARM METHOD AND APPARATUS
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 21 Mar 2013, under U.S. Application No. 13848390, and

WHEREAS, HUAWEI DEVICE CO., LTD., of BuildingB2, Huawei Industrial Base,
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 Zhao 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 May 8, 2013

Lei ZHAO
Lei ZHAO

Date May 8, 2013

Li LWO
Witness

Date May 8, 2013

Ming ZOU
Witness