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PATENTS ONLY

PATENT & TRADEMARK OFFICE

To the Director of the U.S. Patent and Trademark Office: Please record the attached document.

01/09/13

- Name of conveying party(ies):
Fenqin ZHU
Yan LI
Wei LU
- Name and Address of receiving party(ies):
HUAWEI TECHNOLOGIES CO., LTD.
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. China
- Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
Execution Date(s): 1) December 13, 2012; 2) December 14, 2012; 3) December 18, 2012
- Application number(s) or patent number(s):
 This document is being filed together with a new application.
OR
 This document is being filed after filing of the application:
(a) Patent Application No(s). 13/729,274, filed December 28, 2012; or
(b) Patent No(s). , issued .
- Name and address of party to whom correspondence concerning document should be mailed:
STAAS & HALSEY LLP Our Docket: 2230.1329
Attention: Paul I. Kravetz
1201 New York Ave., N.W., 7th Floor
Washington, D.C. 20005
- Total number of applications and patents involved: 1
- Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)
 Enclosed
 Authorized to be charged to credit card.
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- Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

01/14/2013

103654144

Paul I. Kravetz, Reg. No. 34,230
Name of Person Signing

01/14/2013 KMGUYEN 00006010 13729274
Signature Date January 9, 2013 48.00 00

Total number of pages including cover sheet: 7

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PATENT

Attorney Docket No. _____
Client Reference No. 82831137U504

ASSIGNMENT

WHEREAS, WE,

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

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

Wei LU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
SERVICE IMPLEMENTATION METHOD, APPARATUS, AND SYSTEM
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

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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	<u>13. Dec. 2012</u>	<u>Fenqin ZHU</u>
		Fenqin ZHU
Date	<u>13 Dec. 2012</u>	<u>Qing ZHU</u>
		Witness
Date	<u>13 Dec. 2012</u>	<u>Liwen LONG</u>
		Witness

=====

Date	_____	_____
		Yan LI
Date	_____	_____
		Witness
Date	_____	_____
		Witness

=====

Date	_____	_____
		Wei LU
Date	_____	_____
		Witness
Date	_____	_____
		Witness

ASSIGNMENT

WHEREAS, WE,

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

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

Wei LU
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In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date _____ Fenqin ZHU

Date _____ Witness

Date _____ Witness

Date Dec 14, 2012 Yan LI
Yan LI

Date Dec 14, 2012 Hui N2
Witness

Date Dec 14, 2012 Shiyong TAN
Witness

Date _____ Wei LU

Date _____ Witness

Date _____ Witness

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

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Huawei Administration Building
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Attorney: Donald M. _____

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Date _____
Fenqin ZHU

Date _____
Witness

Date _____
Witness

Date _____
Yan LI

Date _____
Witness

Date _____
Witness

Date Dec 18, 2012
Wei Lu

Date Dec. 18, 2012
Witness Wei LU

Date Dec. 18, 2012
Witness Yongyang Yu