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Staas & Halsey LLP

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05/10/2012

Name of conveying parties:



103644368

- 1.) Lei LU
- 2.) Wenliang LIANG
- 3.) Jinfang ZHANG

2. Name and Address of receiving party:

HUAWEI TECHNOLOGIES CO., LTD.
Huawei Administration Building,
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R., China

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other: _____
- Merger
- Change of Name

Execution Date(s): April 28, 2012

4. 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). 13/465,438, filed May 7, 2012; or
 - (b) Patent No(s).

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

STAAS & HALSEY LLP Our Docket: 2230.1183
 Attention: Gene M. Garner, II
 1201 New York Ave., N.W., 7th Floor
 Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

- Enclosed
- Authorized to be charged to credit card.
- Authorized to be charged to deposit account.

8. 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)

Gene M. Garner, II, Reg. No. 34,172
 Name of Person Signing

[Signature] 05/10/2012
 Signature Date

Total number of pages including cover sheet: 3

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5-8-12

ASSIGNMENT

WHEREAS, WE,

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

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

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

have invented and own a certain invention entitled:
DATA TRANSMISSION 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

In re Appln. of Lu 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 April 28, 2012 Lei LU
Lei LU

Date April 28, 2012 Yanqun Zhang
Witness

Date April 28, 2012 Lu RONG
Witness

Date April 28, 2012 Wenliang LIANG
Wenliang LIANG

Date April 28, 2012 Bojie LI
Witness

Date April 28, 2012 Gang HUANG
Witness

Date April 28, 2012 Jinfang ZHANG
Jinfang ZHANG

Date April 28, 2012 Bojie LI
Witness

Date April 28, 2012 Gang HUANG
Witness