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To the Director of the U.S. Patent and Trademark

10/31/2013



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U.S. DEPARTMENT OF COMMERCE

DS

1. Names of conveying parties:

- 1) Xiangsong CUI
- 2) Fang YU

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): September 30, 2013

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). 14/061,998, filed October 24, 2013; or
- (b) Patent No(s). , issued .

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

STAAS & HALSEY LLP
Attention: Gene M. Garner, II
1201 New York Ave., N.W., 7th Floor
Washington, D.C. 20005
Our Docket: 2382.1153

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)

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

10/31/2013 KNGUYEN1 00000034 14061998
40.00 00
Oct. 25, 2013
Signature _____ Date _____

Total number of pages including cover sheet: 5

PATENT

Attorney Docket No. _____
Client Reference No. 83132411U504

ASSIGNMENT

WHEREAS, WE,

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

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

have invented and own a certain invention entitled:
MESSAGE PROCESSING METHOD, DEVICE, 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
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 re Appln. of Cui et al.
Attorney Docket No. _____

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

Date September 30, 2013

Xiangsong CUI

Xiangsong CUI

Date September 30, 2013

Jing BI

Witness

Date September 30, 2013

Meng WANG

Witness

Date _____

Fang YU

Date _____

Witness

Date _____

Witness

PATENT

Attorney Docket No. _____
Client Reference No. 83132411U504

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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,
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making application for and obtaining original, continuation, continuation-in-part, divisional,
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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.

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Date _____

Xiangsong CUI

Date _____

Witness

Date _____

Witness

Date September 30, 2013

Fang YU
Fang YU

Date September 30, 2013

Yizhuang WU
Witness

Date September 30, 2013

Jiangwei YING
Witness