



## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent

10/23/2013

PATENT



103663097

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

## 1. Names of conveying parties:

- 1) Jie MA
- 2) Zhenxing HU
- 3) Song ZHU
- 4) Xiaolong GUO

## 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 ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date(s): October 10 (3,4); October 11 (1,2)

## 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). 14/057,389, filed October 18, 2013; or  
(b) Patent No(s). , issued .

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

STAAS & HALSEY LLP Our Docket: 2382.1123  
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)

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

[Signature] 10/23/2013 KNGUYEN1 00000024 14057389  
01/10/2021 40.00 DP  
Oct 21, 2013  
Signature Date

Total number of pages including cover sheet: 5

Revised 3/13

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**PATENT**  
**REEL: 031506 FRAME: 0296**

**ASSIGNMENT**

**WHEREAS, We,**

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

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

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

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

have invented and own a certain invention entitled:  
**MACHINE TO MACHINE SERVICE MANAGEMENT DEVICE, NETWORK DEVICE,  
AND METHOD PROCESSING SERVICE 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 Ma 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 Oct. 11, 2013

Jie MA

Jie MA

Date Oct. 11, 2013

Zhiqin YU

Witness

Date Oct. 11, 2013

Wenning Song

Witness

Date Oct. 11, 2013

Zhenxing HU

Zhenxing HU

Date Oct. 11, 2013

Wei QUAN

Witness

Date Oct. 11, 2013

Tao ZHANG

Witness

Date \_\_\_\_\_

Song ZHU

Date \_\_\_\_\_

\_\_\_\_\_

Witness

Date \_\_\_\_\_

Witness

Date \_\_\_\_\_

Xiaolong GUO

Date \_\_\_\_\_

Witness

Date \_\_\_\_\_

Witness

## ASSIGNMENT

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

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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,  
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In re Appln. of Ma et al.  
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Witness

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Date \_\_\_\_\_  
Zhenxing HU

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

Date Oct. 10. 2013  
Song ZHU

Date Oct. 10. 2013  
Yuliang ZHI  
Witness

Date Oct. 10. 2013  
Lixue ZHANG  
Witness

Date Oct. 10. 2013  
Xiaolong GUO

Date Oct. 10. 2013  
Zhenwei LI  
Witness

Date Oct. 10. 2013  
Tong Ji  
Witness