

07/25/2012

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| document.   |                             |

FORM PTO-1595  
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 To the Director of the U.S. Patent



103647327

7-20-12

1. Name of conveying parties:

- 1.) Jie ZHANG
- 2.) Chen CHEN
- 3.) Jingsong 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:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement    | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other: _____          |   |

Execution Date(s): July 10, 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). 13/552,288, filed July 18, 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: 2230.1207  
 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

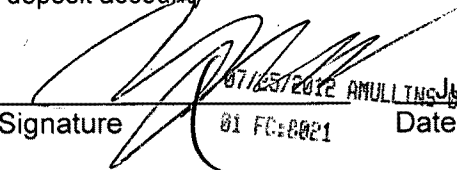
7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

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

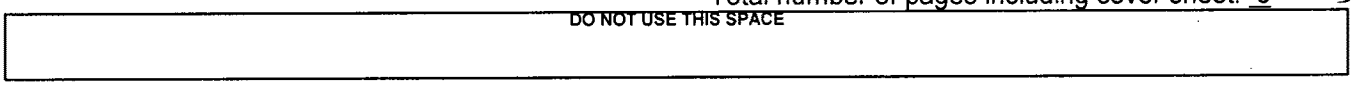
8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

(Attach duplicate copy of this page if paying by deposit account)

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

Signature  Date July 20, 2012  
 07/25/2012 AMULLINS 00000010 13552288  
 01 FC:0021 40.00 00

Total number of pages including cover sheet: 5



ASSIGNMENT

WHEREAS, WE,

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

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

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

have invented and own a certain invention entitled:  
METHOD AND APPARATUS FOR PROVIDING FOLDER ITEM INFORMATION BASED  
ON TOUCH OPERATION  
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 Zhang 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 Jul, 10, 2012

Jie ZHANG  
Jie ZHANG

Date Jul, 10, 2012

Feihu JIANG  
Witness

Date Jul. 10, 2012

Chujun XU  
Witness

Date Jul, 10, 2012

Chen CHEN  
Chen CHEN

Date Jul, 10, 2012

zhima QIU  
Witness

Date Jul. 10, 2012

Dawei WANG  
Witness

Date \_\_\_\_\_

Jingsong ZHANG

Date \_\_\_\_\_

Witness

Date \_\_\_\_\_

Witness

**ASSIGNMENT**

**WHEREAS, WE,**

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

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Bantian, Longgang District  
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**METHOD AND APPARATUS FOR PROVIDING FOLDER ITEM INFORMATION BASED  
ON TOUCH OPERATION**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
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**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 Zhang et al.  
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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 \_\_\_\_\_  
Jie ZHANG

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

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

Date \_\_\_\_\_  
Chen CHEN

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

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

Date July 10, 2012  
Jingsong ZHANG

Date July 10, 2012  
Witness Yeung lee

Date July 10, 2012  
Witness Raymond Ma