



01/02/2014

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PATENTS ONLY

103665193

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

1. Name of conveying party(ies):
  - 1) Jitao LIU
  - 2) Hewen ZHENG
  - 3) Haibin CHEN
  - 4) Ning ZONG
  - 5) Qin WU
  
2. Name and Address of receiving party(ies):  
 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): 1) December 10, 2013; 2) December 6, 2013; 3) November 21, 2013; 4) November 21, 2013; 5) November 21, 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). 14/140,176, filed December 24, 2013; or

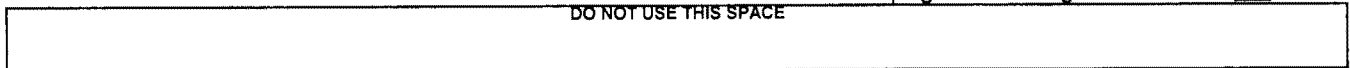
(b) Patent No(s). , issued .
  
5. Name and address of party to whom correspondence concerning document should be mailed:  
 STAAS & HALSEY LLP Our Docket: 2382.1249  
 Attention: Paul I. Kravetz  
 1201 New York Ave., N.W., 7th Floor  
 Washington, D.C. 20005
  
6. Total number of applications and patents involved: 1
  
7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)
 

<input checked="" type="checkbox"/> Enclosed
<input type="checkbox"/> Authorized to be charged to credit card.
<input type="checkbox"/> Authorized to be charged to deposit account.
  
8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

Paul I. Kravetz, Reg. No. 35,230  
Name of Person Signing

01/02/2014 HTON11 00000051 14140176  
 01 FC18020 40.00 OP  
  
 \_\_\_\_\_  
 Signature Date

Total number of pages including cover sheet: 13



ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

have invented and own a certain invention entitled:  
METHOD, APPARATUS, AND SYSTEM FOR TRANSMITTING MEDIA DATA BASED  
ON OTT  
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.

In re Appln. of Liu et al.  
Attorney Docket No. \_\_\_\_\_

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

Date	<u>DEC 10, 2013</u>	<u>Jitao LIU</u>
		Jitao LIU
Date	<u>Dec 10, 2013</u>	<u>Haitao HU</u>
		Witness
Date	<u>DEC 10, 2013</u>	<u>Huan CHEN</u>
		Witness

=====

Date	_____	_____
		Hewen ZHENG

Date	_____	_____
		Witness

Date	_____	_____
		Witness

=====

Date	_____	_____
		Haibin CHEN

Date	_____	_____
		Witness

Date	_____	_____
		Witness

In re Appln. of Liu et al.  
Attorney Docket No. \_\_\_\_\_

=====

Date \_\_\_\_\_  
Ning ZONG

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

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

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Date \_\_\_\_\_  
Qin WU

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

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

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**METHOD, APPARATUS, AND SYSTEM FOR TRANSMITTING MEDIA DATA BASED ON OTT**  
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**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.

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Date \_\_\_\_\_  
Jitao LIU

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

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

=====

Date Dec 6, 2013  
Hewen ZHENG  
Hewen ZHENG

Date Dec 6, 2013  
Duoliang TAN  
Witness

Date Dec 6, 2013  
Kai GUO  
Witness

=====

Date \_\_\_\_\_  
Haibin CHEN

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

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

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Date \_\_\_\_\_ Jitao LIU

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

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

Date \_\_\_\_\_ Hewen ZHENG

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

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

Date NOV 21, 2013 Haibin CHEN  
Haibin CHEN

Date Nov 21, 2013 YingChao BAI  
Witness

Date Nov 21, 2013 Minchang Zhong  
Witness

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Date Nov 21, 2013 Ning ZONG  
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 Ning ZONG  
 Date Nov 21, 2013 Yihong HUANG  
 \_\_\_\_\_  
 Witness  
 Date Nov 21, 2013 Liang XIA  
 \_\_\_\_\_  
 Witness

Date NOV 21, 2013 Qin WU  
 \_\_\_\_\_  
 Qin WU  
 Date NOV 21, 2013 Yihong HUANG  
 \_\_\_\_\_  
 Witness  
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 Witness