

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Xiaoqing Qin	11/01/2012
RECEIVING PARTY DATA	
Name:	Huawei Device Co., Ltd.
Street Address:	Building B2, Huawei Industrial Base
Internal Address:	Bantian, Longgang District
City:	Shenzhen, Guangdong
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13594484
CORRESPONDENCE DATA	
Fax Number:	3123214299
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Gustavo Siller, Jr.
Address Line 1:	Brinks Hofer Gilson & Lione
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Address Line 4:	Chicago, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	13674-923
NAME OF SUBMITTER:	Gustavo Siller, Jr.
Total Attachments: 3 source=13674-923#page1.tif source=13674-923#page2.tif source=13674-923#page3.tif	

CH \$40.00 13594484

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

**1. Name of conveying Party(ies):**

XIAOQING QIN/NOVEMBER 1, 2012

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of Conveyance/Execution Date(s):**

Execution Date(s): November 1, 2012

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Assignment                      | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement                         | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement                   |   |
| <input type="checkbox"/> Government Interest Assignment             |   |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License |   |
| <input type="checkbox"/> Other: _____                               |   |

**2. Name and Address of receiving Party(ies):**

Name: HUAWEI DEVICE CO.,LTD.

Address: Building B2, Huawei Industrial  
Base  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. China

Additional name(s) and addresses attached? ☐ Yes ☒ No

**4. Application or Patent Number(s).**

☒ This document is being filed together with a new application.

A. Patent Application No.(s):  
13/594,484

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

BRINKS HOFER GILSON & LIONE  
PO BOX 10395  
CHICAGO, IL 60610  
Phone: (312) 321-4200  
Fax: (312) 321-4299

**6. Total no. of applications & patents involved: 1**

**7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorize charge by credit card  
☒ Authorize charge to Deposit Account No. 23-1925  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information:**

- a. ☐ Credit Card: Last 4 Numbers  
Expiration Date
- b. ☒ Charge fee and/or any Deficiencies to Deposit  
Account Number 23-1925  
Authorized User Name: Brinks Hofer Gilson & Lione

**9. Signature: /Gustavo Siller, Jr./**

Signature

Gustavo Siller, Jr.

Name of Person Signing

November 9, 2012

Date

Total no. of pages including coversheet,  
attachments and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

**PATENT**

Attorney Docket No. \_\_\_\_\_  
Client Reference No. 83070750U04

**ASSIGNMENT**

**WHEREAS, I,**

Xiaoqing QIN  
BuildingB2, Huawei Industrial  
Base Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA.;and

have invented and own a certain invention entitled:  
**METHOD, APPARATUS, AND SYSTEM FOR IMPLEMENTING PICTURE IN PICTURE  
IN HOME NETWORK**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 24 Aug 2012, under U.S. Application No. 13594484, and

**WHEREAS, HUAWEI DEVICE CO., LTD.**, of BuildingB2, Huawei Industrial Base,  
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

**PATENT**

**REEL: 029274 FRAME: 0286**

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

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 November 1, 2012

Xiaoqing Qin

Xiaoqing QIN

Date November 1, 2012

Shuping Li

Witness

Date November 1, 2012

Yatong Liu

Witness