

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chen Liu	11/26/2012
RECEIVING PARTY DATA	
Name:	Huawei Device Co., Ltd.
Street Address:	Huawei Administration Building
Internal Address:	Bantain, Longgang District
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13611369
CORRESPONDENCE DATA	
Fax Number:	3123214299
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	312)321-4200
Email:	CBRADY@BRINKSHOFER.COM, USASSIGNMENTS@BRINKSHOFER.COM
Correspondent Name:	Gustavo Siller, Jr.
Address Line 1:	Brinks Hofer Gilson & Lione
Address Line 2:	PO Box 10395
Address Line 4:	Chicago, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	13674-934
NAME OF SUBMITTER:	Gustavo Siller, Jr.
Total Attachments: 6 source=13674-934Assignment#page1.tif	

CH \$40.00 13611369

source=13674-934Assignment#page2.tif
source=13674-934Assignment#page3.tif
source=13674-934Assignment#page4.tif
source=13674-934Assignment#page5.tif
source=13674-934Assignment#page6.tif

**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)/Execution Date:

CHEN LIU/NOVEMBER 26, 2012

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Huawei Device Co., Ltd.

Address: Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P. R. China

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

3. Nature of Conveyance:

Execution Date(s): November 26, 2012

- ☐ Assignment ☐ Change of Name ☐ Executive Order 9424, Confirmatory License
☐ Security Agreement ☐ Merger ☐ Joint Research Agreement
☐ Government Interest Assignment ☐ Other _____

☒ Other: To correct the first named inventor which previously recorded assignment as Chen, Ying erroneously recorded against U.S. Patent Application 13/611,369, on the assignment located at Reel: 029411 Frame 0321. The correct first inventor name is Liu, Chen, as reflected on the Assignment.

4. Application or patent number(s).

This document is being filed together with a new application.

A. Patent Application No.(s)
13/584,332

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
P.O. BOX 10395
CHICAGO, IL 60610
(312) 321-4200
(312) 321-4299 Fax

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to Deposit Acct. 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

/Gustavo Siller, Jr./

Signature

Gustavo Siller, Jr.

Name of Person Signing

January 18, 2013

Date

Total no. of pages including coversheet, attachments and documents: 6

PATENT

Attorney Docket No. _____
Client Reference No. 83088556US04

ASSIGNMENT**WHEREAS, I,**

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

have invented and own a certain invention entitled:
**METHOD AND AUTHENTICAITON SERVER FOR VERIFYING ACCESS IDENTITY OF
SET-TOP BOX**
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on __12 Sep 2012__, under U.S. Application No. __13611369__, 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

In re Appln. of Liu 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 Nov. 26, 2012

Chen LIU
Chen LIU

Date Nov. 26, 2012

QingHua MAO
Witness

Date Nov. 26, 2012

XinZHANG
Witness

**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):

YING CHEN/NOVEMBER 26, 2012

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

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

Execution Date(s): November 26, 2012

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ 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

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):
13/611,369

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

December 5, 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 ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ying Chen	11/26/2012
RECEIVING PARTY DATA	
Name:	Huawei Device Co., Ltd.
Street Address:	Building B2, Huawei Industrial Base
Internal Address:	Bantain, Longgang District
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13611369
CORRESPONDENCE DATA	
Fax Number:	3123214299
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	312)321-4200
Email:	CBRADY@BRINKSHOFER.COM, USASSIGNMENTS@BRINKSHOFER.COM
Correspondent Name:	Gustavo Siller, Jr.
Address Line 1:	Brinks Hofer Gilson & Lione
Address Line 2:	PO Box 10395
Address Line 4:	Chicago, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	13674-934
NAME OF SUBMITTER:	Gustavo Siller, Jr.
Total Attachments: 3 source=13674-934Assignment#page1.tif source=13674-934Assignment#page2.tif source=13674-934Assignment#page3.tif	

CH \$40.00 13611369



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 6, 2012

PTAS

GUSTAVO SILLER, JR.
BRINKS HOFER GILSON & LIONE
PO BOX 10395
CHICAGO, IL 60610

502151519

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 12/05/2012

REEL/FRAME: 029411/0321
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 13674-934

ASSIGNOR:
CHEN, YING

DOC DATE: 11/26/2012

ASSIGNEE:
HUAWEI DEVICE CO., LTD.
BUILDING B2, HUAWEI INDUSTRIAL BASE
BANTAIN, LONGGANG DISTRICT
SHENZHEN, GUANGDONG, CHINA 518129

APPLICATION NUMBER: 13611369

FILING DATE: 09/12/2012

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND AUTHENTICATION SERVER FOR VERIFYING ACCESS IDENTITY
OF SET-TOP BOX

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION