

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Peter Vary</td> <td>02/14/2011</td> </tr> <tr> <td>Hauke Kruger</td> <td>02/14/2011</td> </tr> <tr> <td>Bernd Geiser</td> <td>02/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	Peter Vary	02/14/2011	Hauke Kruger	02/14/2011	Bernd Geiser	02/14/2011				
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>HUAWEI TECHNOLOGIES CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>Huawei Administration Building</td> </tr> <tr> <td>Internal Address:</td> <td>Bantian, Longgang District</td> </tr> <tr> <td>City:</td> <td>Shenzhen, Guangdong</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>518129</td> </tr> </table>		Name:	HUAWEI TECHNOLOGIES CO., LTD.	Street Address:	Huawei Administration Building	Internal Address:	Bantian, Longgang District	City:	Shenzhen, Guangdong	State/Country:	CHINA	Postal Code:	518129
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CORRESPONDENCE DATA													
Fax Number: (312)321-4299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 3123214200 Email: MCALDERON@BRINKSHOFER.COM Correspondent Name: Gustavo Siller, Jr. Address Line 1: Brinks, Hofer, Gilson & Lione Address Line 2: P.O. BOX 10395 Address Line 4: Chicago, ILLINOIS 60610													
ATTORNEY DOCKET NUMBER:	13674-380												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
Total Attachments: 3													

CH \$40.00 12905852

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PATENT
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**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):

PETER VARY / FEBRUARY 14, 2011
HAUKE KRUGER / FEBRUARY 14, 2011
BERND GEISER / FEBRUARY 14, 2011

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

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

Execution Date(s): February 14, 2011

- | | |
|---|---|
| <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 TECHNOLOGIES CO., LTD.

Address: Huawei Administration Building
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):
12/905,852

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

February 16, 2011

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.0889005US

ASSIGNMENT

WHEREAS, WE,

Peter VARY Institute of Communication System and Data Processing(IND),RWTH Aachen University Templergraben 55,52056 Aachen(DE); and	Hauke KRUGER Institute of Communication System and Data Processing(IND),RWTH Aachen University Templergraben 55,52056 Aachen(DE);
Bernd GEISER Institute of Communication System and Data Processing(IND),RWTH Aachen University Templergraben 55,52056 Aachen(DE).	

have invented and own a certain invention entitled:

METHOD AND APPARATUS OF COMMUNICATION

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 15 October 2010, under U.S. Application No. 12905852, 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

In re Appln. of Vary et al.
Attorney Docket No. _____

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>02-14-2011</u>	<u>Peter Vary</u> Peter VARY
Date <u>02-14-2011</u>	<u>[Signature]</u> Witness
Date <u>02-14-2011</u>	<u>T. Schell</u> Witness

Date <u>02-14-2011</u>	<u>H. Kruger</u> Hauke KRUGER
Date <u>02-14-2011</u>	<u>[Signature]</u> Witness
Date <u>02-14-2011</u>	<u>T. Schell</u> Witness

Date <u>02-14-2011</u>	<u>B. Geiser</u> Bernd GEISER
Date <u>02-14-2011</u>	<u>[Signature]</u> Witness
Date <u>02-14-2011</u>	<u>T. Schell</u> Witness