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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2845916

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| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the TYPOGRAPHICAL ERROR IN THE DATE THE ASSIGNEE'S SIGNED previously recorded on Reel 032526 Frame 0646. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNOR'S INTEREST.. |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------|----------------|
| WEI ZHANG | 03/21/2014 |
| RUIRUI LIU | 03/18/2014 |
| WENHUI XIE | 03/17/2014 |
| GUOLU GAO | 03/17/2014 |

RECEIVING PARTY DATA

| | |
|--------------------------|---|
| Name: | HUAWEI TECHNOLOGIES CO., LTD. |
| Street Address: | HUAWEI ADMINISTRATION BUILDING, BANTIAN |
| Internal Address: | LONGGANG DISTRICT, GUANGDONG |
| City: | SHENZHEN |
| State/Country: | CHINA |
| Postal Code: | 518129 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 14052470 |

CORRESPONDENCE DATA

Fax Number: (972)732-9218
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 972-732-1001
Email: docketing@slater-matsil.com
Correspondent Name: SLATER & MATSIL, L.L.P.
Address Line 1: 17950 PRESTON ROAD
Address Line 2: SUITE 1000
Address Line 4: DALLAS, TEXAS 75252

| | |
|--------------------------------|---------------------|
| ATTORNEY DOCKET NUMBER: | HW 83520234US03 |
| NAME OF SUBMITTER: | SHANDY L. SARCHET |
| SIGNATURE: | /Shandy L. Sarchet/ |
| DATE SIGNED: | 05/07/2014 |

PATENT

Total Attachments: 16

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

| | |
|----------------------------------|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| WEI ZHANG | 03/21/2014 |
| RUIRUI LIU | 03/18/2013 |
| WENHUI XIE | 03/17/2014 |
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| ATTORNEY DOCKET NUMBER: | HW 83520234US03 |
| NAME OF SUBMITTER: | SHANDY L. SARCHET |
| Signature: | /Shandy L. Sarchet/ |
| Date: | 03/26/2014 |

Total Attachments: 6
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EPAS ID: PAT2785476
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ASSIGNMENT

WHEREAS, WE,

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

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

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

Guolu GAO
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
METHOD AND SYSTEM FOR NEGOTIATION BASED ON IKE MESSAGES
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 11 Oct 2013, under U.S. Application No. 14052470 and

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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
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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

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.

Date Mar 21, 2014

Wei ZHANG.
Wei ZHANG

Date _____

Ruirui LIU

Date _____

Wenhui XIE

Date _____

Guolu GAO

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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.

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Date _____

Wei ZHANG

Date Mar 18, 2014

Ruirui LIU
Ruirui LIU

Date _____

Wenhui XIE

Date _____

Guolu GAO

ASSIGNMENT

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Date _____

Wei ZHANG

Date _____

Ruirui LIU

Date MAY 17, 2010

Wenhui XIE

Wenhui XIE

Date Mar 17, 2014

Guolu GAO

Guolu GAO

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Date Mar 21, 2014

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Ruirui LIU

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