

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3160863

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEN ZHANG	12/02/2014
ENBO ZHOU	12/10/2014
YABIN YE	12/02/2014
RECEIVING PARTY DATA	
Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN, LONGGANG DISTRICT,
City:	SHENZHEN CITY, GUANGDONG
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14580989
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	jherrin@s-n-h.com
Correspondent Name:	STAAS AND HALSEY LLP
Address Line 1:	1201 NEW YORK AVE., N.W.
Address Line 2:	SUITE 700
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	2382.1417
NAME OF SUBMITTER:	GENE M. GARNER, II, REG # 34,172
SIGNATURE:	/Gene M. Garner II/
DATE SIGNED:	12/23/2014
Total Attachments: 9	
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PATENT

Attorney Docket No. _____
Client Reference No. 83416202US04

ASSIGNMENT

WHEREAS, WE,

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

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

Yabin YE
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
**METHOD AND APPARATUS FOR CALCULATING NONLINEAR TRANSMISSION
IMPAIRMENT OF OPTICAL FIBER LINK**
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.

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

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.

IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date December 2, 2014

Sen ZHANG
Sen ZHANG

Date _____

Enbo ZHOU

Date _____

Yabin YE

PATENT

Attorney Docket No. _____
Client Reference No. 83416202US04

ASSIGNMENT

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Sen ZHANG
Huawei Administration Building
Bantian, Longgang District
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for which invention we have executed an application (provisional or non-provisional) for a U.S.
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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,
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that may be filed in the United States and every foreign country on the invention, and the
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perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in

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Attorney Docket No. _____

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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date _____

Sen ZHANG

Date 2014-12-10

Enbo Zhou
Enbo ZHOU

Date _____

Yabin YE

PATENT

Attorney Docket No. _____
Client Reference No. 83416202US04

ASSIGNMENT

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

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Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date _____

Sen ZHANG

Date _____

Enbo ZHOU

Date December 2, 2014

Yabin YE
Yabin YE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

METHOD AND APPARATUS FOR CALCULATING NONLINEAR TRANSMISSION IMPAIRMENT OF OPTICAL FIBER LINK

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or



United States application or PCT international application number _____
filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identify theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Yabin YE

Date (Optional): _____

Signature: _____

Yabin YE

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 2.

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Title of
Invention

METHOD AND APPARATUS FOR CALCULATING NONLINEAR TRANSMISSION IMPAIRMENT
OF OPTICAL FIBER LINK

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LEGAL NAME OF INVENTOR

Inventor: Enbo ZHOU

Date (Optional): 2014-12-10

Signature: Enbo Zhou

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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PATENT

REEL: 034578 FRAME: 0428

PTO/AIA/01 (06-12)

Approved for use through 01/31/2014. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
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Invention****METHOD AND APPARATUS FOR CALCULATING NONLINEAR TRANSMISSION IMPAIRMENT
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As the below named inventor, I hereby declare that:

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The attached application, or



United States application or PCT international application number _____

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The above-identified application was made or authorized to be made by me.

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LEGAL NAME OF INVENTOR

Inventor: Sen ZHANG

Date (Optional) : _____

Signature: Sen ZHANG

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PATENT**RECORDED: 12/23/2014****REEL: 034578 FRAME: 0429**