PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5522184

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINGZHOU YU	12/03/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16180722

CORRESPONDENCE DATA

Fax Number: (612)288-9696

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.

Phone: 214-760-6148
Email: APSI@fr.com
Correspondent Name: JONATHAN SOLOMON
Address Line 1: 1717 MAIN STREET, SUITE 5000
Address Line 2: FISH & RICHARDSON
Address Line 4: DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER:	43968-0372001
NAME OF SUBMITTER:	SHERRY L. HUNT
SIGNATURE:	/Sherry L. Hunt/
DATE SIGNED:	05/14/2019

Total Attachments: 2
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ASSIGNMENT

WHEREAS, I,

Jingzhou Yu
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA.

have invented and own a certain invention entitled:

ROUTE SEARCHING METHOD AND APPARATUS, ALLOCATION NODE, SEARCHING NODE, AND INGRESS NODE

for which invention I have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2018-11-05, under U.S. Application No. 16180722 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., 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, I 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 I 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.

I 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.

I DO HEREBY COVENANT and agree with the Assignee that I will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that I 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 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, I have hereunder set my hand on the dates shown below.

Date Dec. 3, 2018

Jingzhou YU

Jingzhou Yu