

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Zhibing WANG</td><td>07/15/2009</td></tr> <tr><td>Zhefeng YAN</td><td>07/15/2009</td></tr> <tr><td>Haohua CHEN</td><td>07/15/2009</td></tr> <tr><td>Jiying DUI</td><td>07/16/2009</td></tr> <tr><td>Yaohui LI</td><td>07/16/2009</td></tr> <tr><td>Jiahao WEI</td><td>07/15/2009</td></tr> <tr><td>Chuansong XUE</td><td>07/15/2009</td></tr> </tbody> </table>		Name	Execution Date	Zhibing WANG	07/15/2009	Zhefeng YAN	07/15/2009	Haohua CHEN	07/15/2009	Jiying DUI	07/16/2009	Yaohui LI	07/16/2009	Jiahao WEI	07/15/2009	Chuansong XUE	07/15/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name:</td><td>HUAWEI TECHNOLOGIES CO., LTD.</td></tr> <tr><td>Street Address:</td><td>Huawei Administration Building, Bantian, Longgang District</td></tr> <tr><td>City:</td><td>Shenzhen, Guangdong, P.R.</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, Bantian, Longgang District	City:	Shenzhen, Guangdong, P.R.	State/Country:	CHINA	Postal Code:	518129						
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CORRESPONDENCE DATA																	
<p>Fax Number: (202)408-4400 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-408-4000 Email: CREMEANR@FINNEGAN.COM Correspondent Name: FINNEGAN, HENDERSON, FARABOW, GARRETT & Address Line 1: 901 NEW YORK AVENUE, NW Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001-4413</p>																	
ATTORNEY DOCKET NUMBER:	11005.0122																

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PATENT
REEL: 022977 FRAME: 0250

NAME OF SUBMITTER:

R.CREMEANS

Total Attachments: 7

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PATENT

Attorney Docket No.
Client Reference No. 0711779US

Finnegan, Henderson, Farabow,
Garrett & Dunner, LLP
901 New York Avenue, NW
Washington, DC 20001-4413

ASSIGNMENT

WHEREAS, WE,

Zhibing WANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Haohua CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Yaohui LI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Chuansong XUE
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Zhefeng YAN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Jiying DUI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Jiahao WEI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

have invented and own a certain invention entitled:

Method for Constructing Network Topology, and Streaming Delivery System

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on _____, 2009, 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,

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

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 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>15th July 2009</u>	<u>Zhibing WANG</u> Zhibing WANG
Date <u>15th July 2009</u>	<u>Zheng Cui</u> Witness
Date <u>15th July 2009</u>	<u>Haijun Jiang</u> Witness
Date _____	<u>Zhefeng YAN</u>
Date _____	Witness
Date _____	Witness

In re Appln. of Wang et al.
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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 _____	_____
	Zhibing WANG
Date _____	_____
	Witness
Date _____	_____
	Witness
Date <u>2009-7-15</u>	<u>Zhefeng YAN</u>
	Zhefeng YAN
Date <u>2009-7-15</u>	<u>Liao Yan BAZ</u>
	Witness
Date <u>2009-7-15</u>	<u>Shuang Lin</u>
	Witness

In re Appln. of Wang et al.
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Date 15th July 2009

Haohua CHEN
Haohua CHEN

Date 15th July 2009

Fei Jin
Witness

Date 15th July 2009.

Wei You.
Witness

Date _____

Jiying DUI

Date _____

Witness

Date _____

Witness

Date _____

Yaohui LI

Date _____

Witness

Date _____

Witness

Date _____

Jiahao WEI

Date _____

Witness

Date _____

Witness

In re Appln. of Wang et al.
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Date _____

Haohua CHEN

Date _____

Witness

Date _____

Witness

Date 16th July 2009

Jiying Dui
Jiying Dui

Date 16th July 2009

Zhenp Cui
Witness

Date 16th July 2009

Ma Hanjun
Witness

Date 16th July 2009

Yaohui LI
Yaohui LI

Date 16th July 2009

wenmin sun
Witness

Date 16th July 2009

Feng Wang
Witness

Date _____

Jiahao WEI

Date _____

Witness

Date _____

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Yaohui LI

Date _____

Witness

Date _____

Witness

Date 15th July 2009

Jiahao Wei
Jiahao WEI

Date 15th July 2009

Hongying Bao
Witness

Date 15th July 2009

Jiao Kang
Witness

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Date 15th July 2009Chuansong XUE
Chuansong XUEDate 15th July 2009Yangan Li
WitnessDate 15th July 2009Waiyi Hou
Witness