

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>Luxi Yang</td> <td>06/28/2010</td> </tr> <tr> <td>Daofeng Xu</td> <td>06/28/2010</td> </tr> <tr> <td>Yinggang Du</td> <td>06/25/2010</td> </tr> </tbody> </table>		Name	Execution Date	Luxi Yang	06/28/2010	Daofeng Xu	06/28/2010	Yinggang Du	06/25/2010				
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<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													
<p>Fax Number: (972)732-9218</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (972)732-1001</p> <p>Email: milinkovich@slater-matsil.com</p> <p>Correspondent Name: Slater & Matsil, L.L.P.</p> <p>Address Line 1: 17950 Preston Road</p> <p>Address Line 2: Suite 1000</p> <p>Address Line 4: Dallas, TEXAS 75252</p>													
ATTORNEY DOCKET NUMBER:	HW 0714745US												
NAME OF SUBMITTER:	Nancy Milinkovich												
Total Attachments: 3													

CH \$40.00 12825099

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PATENT

Attorney Docket No. _____
Client Reference No. 0714745US

ASSIGNMENT

WHEREAS, WE,

Luxi YANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.
Yinggang DU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.

Daofeng XU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.

have invented and own a certain invention entitled:

**METHOD, APPARATUS AND SYSTEM FOR FORMING TIME DIVISION DUPLEX
MULTI-INPUT MULTI-OUTPUT DOWNLINK BEAMS**

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 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

PATENT

REEL: 024604 FRAME: 0980

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

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 28 June, 2010

Luxi Yang
Luxi YANG

Date 28 June, 2010

Xiao yun BAZ
Witness

Date 28 June, 2010

Shuang Lin
Witness

Date 28 June 2010

Daofeng Xu
Daofeng XU

Date 28 June 2010

Xiao yun BAZ
Witness

Date 28 June 2010

Shuang Lin
Witness

Date _____

Yinggang DU

Date _____

Witness

Date _____

Witness

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Date _____	_____
	Luxi YANG
Date _____	_____
	Witness
Date _____	_____
	Witness
Date _____	_____
	Daofeng XU
Date _____	_____
	Witness
Date _____	_____
	Witness
Date <u>25 June 2010</u>	<u>Yinggang Du</u>
	Yinggang DU
Date <u>25 June 2010</u>	<u>Yunbo Li</u>
	Witness
Date <u>25 June 2010</u>	<u>Xun Yang</u>
	Witness