

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yu Sheng Bai</td> <td>10/01/2007</td> </tr> <tr> <td>Yanjun Zhu</td> <td>10/01/2007</td> </tr> <tr> <td>Rong Zhang</td> <td>10/02/2007</td> </tr> <tr> <td>Jizhong Liu</td> <td>10/08/2007</td> </tr> <tr> <td>Jian Deng</td> <td>10/01/2007</td> </tr> </tbody> </table>		Name	Execution Date	Yu Sheng Bai	10/01/2007	Yanjun Zhu	10/01/2007	Rong Zhang	10/02/2007	Jizhong Liu	10/08/2007	Jian Deng	10/01/2007
Name	Execution Date												
Yu Sheng Bai	10/01/2007												
Yanjun Zhu	10/01/2007												
Rong Zhang	10/02/2007												
Jizhong Liu	10/08/2007												
Jian Deng	10/01/2007												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Futurewei Technologies, Inc.												
<b>Street Address:</b>	1700 Alma Drive												
<b>Internal Address:</b>	Suite 500												
<b>City:</b>	Plano												
<b>State/Country:</b>	TEXAS												
<b>Postal Code:</b>	75075												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11865508</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11865508								
Property Type	Number												
Application Number:	11865508												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(972)731-2289												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	972-731-2288												
<b>Email:</b>	dallaspatents@dfw.conleyrose.com												
<b>Correspondent Name:</b>	Grant Rodolph												
<b>Address Line 1:</b>	5601 Granite Parkway, Ste. 750												
<b>Address Line 2:</b>	Conley Rose, P.C.												
<b>Address Line 4:</b>	Plano, TEXAS 75024												
<b>ATTORNEY DOCKET NUMBER:</b>	4194-06100												

CH \$40.00 11865508

NAME OF SUBMITTER:

Grant Rodolph

**Total Attachments: 5**

source=4194-06100\_Assignment#page1.tif

source=4194-06100\_Assignment#page2.tif

source=4194-06100\_Assignment#page3.tif

source=4194-06100\_Assignment#page4.tif

source=4194-06100\_Assignment#page5.tif

**ASSIGNMENT**

WHEREAS, the Undersigned has invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Futurewei Technologies, Inc. (hereinafter referred to as "Assignee"), a corporation organized and existing under the laws of the State of Texas, United States of America, Assignee, having its principal office and place of business at 1700 Alma Drive, Suite 500, Plano, Texas 75075, desires to acquire the Undersigned's entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the Undersigned:

Hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Application No. 11/865,508, filed October 1, 2007 or, if not identified here by filing date and application number, executed by me on even date, entitled:

METHOD AND APPARATUS FOR GENERATING OPTICAL DUOBINARY SIGNALS  
WITH ENHANCED RECEIVER SENSITIVITY AND SPECTRAL EFFICIENCY

and in and to said application and all applications that claim priority to said Application No. 11/865,508 and all provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all utility models, industrial models, certificates of invention, and designs on said improvements;

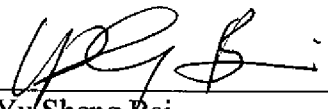
Agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the Undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications, and all other like rights of exclusion in any country on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the Undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Agrees that the Undersigned will upon request of Assignee, render prompt assistance and cooperation in the prosecution of legal proceedings involving said improvements, said applications and patents granted thereon, including reexaminations, reissues, interferences, priority contests, public use proceedings and court proceedings, and testify in such proceedings if requested, provided, however, that the expense which may be incurred by the Undersigned in lending such assistance and cooperation be paid by Assignee; and

Covenants with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the Undersigned, except as set forth below, and that full right to convey the same as herein expressed is possessed by the Undersigned.

This assignment shall be binding on the heirs and legal representatives of the Undersigned.

Full name of first inventor: Yu Sheng Bai  
Residence Address: 26288 W. Fremont Rd.  
Los Altos Hills, California 94022  
Citizenship: US


  
\_\_\_\_\_  
Yu Sheng Bai

10/1/07  
\_\_\_\_\_  
(Date)

  
\_\_\_\_\_  
Witness Signature

YAN CUI  
\_\_\_\_\_  
Witness Name (Print)

Full name of second inventor: Yanjun Zhu  
Residence Address: 30 Fairmeads  
Loughton, Essex IG10 2NE  
United Kingdom  
Citizenship: United Kingdom

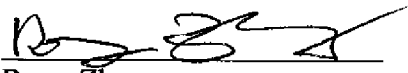
  
\_\_\_\_\_  
Yanjun Zhu

10/01/2007  
\_\_\_\_\_  
(Date)

  
\_\_\_\_\_  
Witness Signature

YAN CUI  
\_\_\_\_\_  
Witness Name (Print)

Full name of third inventor: Rong Zhang  
Residence Address: 22851 Stonebridge  
Cupertino, California 95014  
Citizenship: US

  
\_\_\_\_\_  
Rong Zhang

10/02/2007  
\_\_\_\_\_  
(Date)

  
\_\_\_\_\_  
Witness Signature

YAN CUI  
\_\_\_\_\_  
Witness Name (Print)

Full name of fourth inventor:

Jizhong Liu

Residence Address:

No. 7 Bantian-east-village, Rm. 402, Bldg. 2  
Longgang  
Shenzhen 51829 China

Citizenship:

China

*Jizhong Liu*

Jizhong Liu

*2007.10.08*

(Date)

Witness Signature

Witness Name (Print)

Full name of fifth inventor:

Jian Deng

Residence Address:

1267 Lakeside Dr., Apt. 2081  
Sunnyvale, California 94085

Citizenship:

China

Jian Deng

(Date)

Witness Signature

Witness Name (Print)

Full name of fourth inventor:

Jizhong Liu

Residence Address:

No. 7 Bantian-east-village, Rm. 402, Bldg. 2  
Longgang  
Shenzhen 51829 China

Citizenship:

China

\_\_\_\_\_  
Jizhong Liu

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Witness Name (Print)

Full name of fifth inventor:

Jian Deng

Residence Address:

1267 Lakeside Dr., Apt. 2081  
Sunnyvale, California 94085

Citizenship:

China

Jian Deng  
Jian Deng

10/1/2007  
(Date)

Yan Cui  
Witness Signature

YAN CUI  
Witness Name (Print)