

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dayou Qian</td> <td>05/13/2013</td> </tr> <tr> <td>Ting Wang</td> <td>05/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dayou Qian	05/13/2013	Ting Wang	05/10/2013
Name	Execution Date						
Dayou Qian	05/13/2013						
Ting Wang	05/10/2013						
RECEIVING PARTY DATA							
Name:	NEC Laboratories America, Inc.						
Street Address:	4 Independence Way						
Internal Address:	Suite 200						
City:	Princeton						
State/Country:	NEW JERSEY						
Postal Code:	08540						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13768487</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13768487		
Property Type	Number						
Application Number:	13768487						
CORRESPONDENCE DATA							
Fax Number:							
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	609-951-2522						
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Correspondent Name:	NEC LABORATORIES AMERICA, INC.						
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Signature:	/Jill Rittenhouse/						
Date:	05/13/2013						
Total Attachments: 1 source=signedassignment#page1.tif							

CH \$40.00 13768487

**ASSIGNMENT**

Whereas, we,

- (1) **Dayou Qian**, of 26 Taft Court, Princeton, NJ 08540;
- (2) **Ting Wang**, of 10 Glacier Drive, West Windsor, NJ 08550

(hereinafter called "Assignor(s)"), have made a certain invention, and executed United States Patent Application entitled:

**NEXT GENERATION OPTICAL ACCESS NETWORK WITH CENTRALIZED DIGITAL OLT**

Whereas, NEC Laboratories America, Inc.  
4 Independence Way, Suite 200  
Princeton, New Jersey 08540

(hereinafter called "Assignee"), desires to acquire the entire right, title, and interest in the application and the invention, and to any applications, patents and/or utility model registrations filed or obtained therefor in every Country (hereinafter called the "Designated Countries").

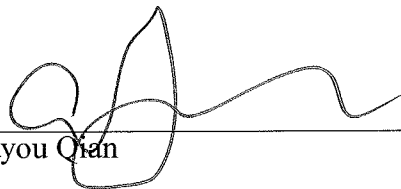
Now therefore, for valuable consideration, receipt of which is hereby acknowledged,

I/we, the above named Assignor(s), hereby sell, assign and transfer to the above named Assignee the entire right, title and interest to file and/or obtain any applications, patents and/or utility model registrations in the Designated Countries as regards the United States application and the invention disclosed therein (including rights of priority based on the United States application), and I/we will execute without further consideration all papers deemed necessary by the Assignee in connection with such applications, patents and/or utility model registrations in the Designated Countries when called upon to do so by the Assignee.

Signed and Sealed:

**INVENTOR 1:**

DATE on 5/13/13

  
\_\_\_\_\_  
Dayou Qian

**INVENTOR 2:**

DATE on 5/10/13

  
\_\_\_\_\_  
Ting Wang