

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Philip N. Ji	12/01/2011
Dayou Qian	12/01/2011
Ankitkumar N. Patel	12/01/2011
Ting Wang	12/01/2011
Yoshiaki Aono	12/05/2011

**RECEIVING PARTY DATA**

<b>Name:</b>	NEC LABORATORIES AMERICA, INC.
<b>Street Address:</b>	4 Independence Way
<b>Internal Address:</b>	Suite 200
<b>City:</b>	Princeton
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08540

<b>Name:</b>	NEC CORPORATION
<b>Street Address:</b>	7-1, Shiba 5-chome, Minato-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	13311686

**CORRESPONDENCE DATA**

**Fax Number:** (631)844-0081  
**Phone:** 609-951-2522  
**Email:** carrie@tb-iplaw.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

**CH \$40.00 13311686**

**501744677**

**PATENT  
 REEL: 027330 FRAME: 0045**

Correspondent Name: NEC LABORATORIES AMERICA, INC.  
Address Line 1: 4 INDEPENDENCE WAY  
Address Line 2: Suite 200  
Address Line 4: PRINCETON, NEW JERSEY 08540

ATTORNEY DOCKET NUMBER:

10097 (449-226)

NAME OF SUBMITTER:

James J. Bitetto

Total Attachments: 3

source=10097\_Assignment#page1.tif

source=10097\_Assignment#page2.tif

source=10097\_Assignment#page3.tif

**ASSIGNMENT**

Whereas, we,

- (1) **Philip N. Ji**, of 2 Parker Road, Plainsboro, NJ 08536; and
- (2) **Dayou Qian**, of 26 Taft Court, Princeton, NJ 08540; and
- (3) **Ankitkumar N. Patel**, of 12 Downing Drive, E. Brunswick, NJ 08816; and
- (4) **Ting Wang**, of 21 Halstead Place, Princeton, NJ 08540.

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

**OPTICAL-LAYER TRAFFIC GROOMING IN FLEXIBLE OPTICAL NETWORKS**

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").

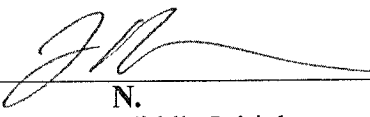
Now therefore, for valuable consideration, receipt of which is hereby acknowledged,

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:**

**DATED** on 12/1/11

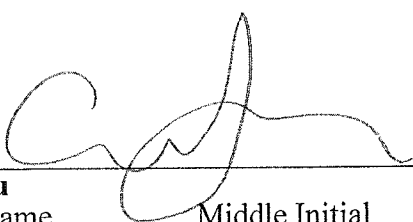


---

(**Philip**                      **N.**                      **Ji**)  
 First Name                      Middle Initial                      Last Name

**INVENTOR 2:**

**DATED** on 12/1/11

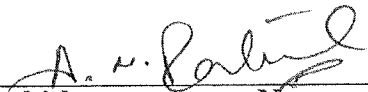


---

(**Dayou**                                           **Qian**)  
 First Name                      Middle Initial                      Last Name

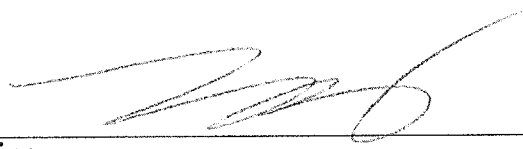
**INVENTOR 3:**

DATED on 12/01/11

  
\_\_\_\_\_  
(Ankitkumar                      N.                      Patel)  
First Name                      Middle Initial                      Last Name

**INVENTOR 4:**

DATED on 12/1/2011

  
\_\_\_\_\_  
(Ting    Wang)  
First Name                      Middle Initial                      Last Name

**ASSIGNMENT**

Whereas, we,

**(1) Yoshiaki Aono**, of 1131, Hinode, Abiko, Chiba 270-1198, Japan.

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

**OPTICAL-LAYER TRAFFIC GROOMING IN FLEXIBLE OPTICAL NETWORKS**

Whereas, NEC Corporation  
7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan

(hereinafter called "Assignee"), desire 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 Japan.

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 Japan 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 Japan when called upon to do so by the Assignee.

Signed and Sealed:

**INVENTOR 1:**

**DATED** on 12/5/2011



(Yoshiaki Aono)  
First Name Middle Initial Last Name