



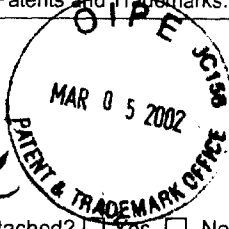
Tab settings ⇨ ⇨ ⇨ ▼ ▼

102018464

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Dennis C. Ferguson  
Rajiv Patel  
Gerald Cheung  
Pradeep Sindhu

3.5.02



2. Name and address of receiving party(ies)

Name: Juniper Networks, Inc.

Internal Address:

Additional name of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address: 1194 N. Mathilda Ave.

City: Sunnyvale State: CA Zip: 94089

Additional Name(s) & address(es) attached?  Yes  No

Execution Date: Jan. 25, 2002, Jan. 28, 2002, Feb. 4, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution data of the application is:

A. Patent Application No.(s)  
10/017,719

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Allen M. Lo

Internal Address: Juniper Networks, Inc.

Street Address: 1194 N. Mathilda Ave.

City: Sunnyvale State: CA Zip: 94089

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) . . . . . \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

50-1763

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Allen M. Lo  
Name of Person Signing

*Allen M. Lo*  
Signature

February 4, 2002  
Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

03/14/2002 AAMHED1 00000173 501763 10017719

01 FC:581 40.00 CH

JOINT INVENTION  
(Worldwide Rights)

**ASSIGNMENT**

WHEREAS, WE, the below named inventors (hereinafter referred to as Assignors), have made an invention entitled:

**FILTERING AND ROUTE LOOKUP IN A SWITCHING DEVICE**

for which we file an application for United States Letters Patent on December 14, 2001, (Serial No. 10/017,719); and

WHEREAS, Juniper Networks, Inc., a corporation of Delaware whose post office address is 1194 North Mathilda Avenue, Sunnyvale, California 94089-1206 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this

invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, WE have hereunto set our hand.

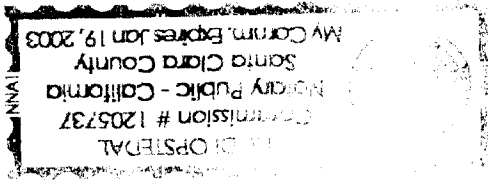
Ferguson, Dennis C.  
896 Melville Avenue  
Palo Alto, CA 94301

Signature: [Handwritten Signature]  
Date: January 25, 2002

State of California )  
  ) ss:  
County of Santa Clara )

On this 25 day of January, 2002, before me, Heidi Opstedal, Notary Public, personally appeared Ferguson, Dennis C. personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Heidi Opstedal  
Signature of Notary Public  
My Commission Expires: January 19, 2003

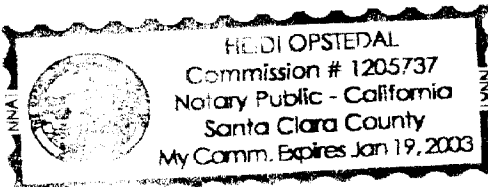
Patel, Rajiv  
628 Paco Dr.  
Los Altos, CA 94204

Signature: Rajiv N. Patel  
Date: 1/29/02

State of California )  
  ) ss:  
County of Santa Clara )

On this 29 day of January, 2002, before me, Heidi Opstedal, Notary Public, personally appeared Patel, Rajiv personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Heidi Opstedal  
Signature of Notary Public  
My Commission Expires: January 19, 2003

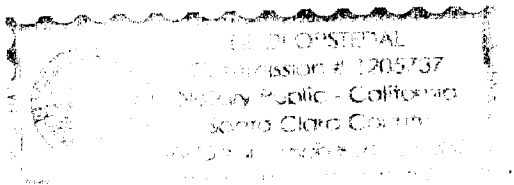
Cheung, Gerald  
725 Ashby Drive,  
Palo Alto, CA 94301

Signature: Gerald Cheung  
Date: January 28th, 2002

State of California )  
                                  ) ss:  
County of Santa Clara )

On this 28 day of January, 20 02, before me, Heidi Opstedal, Notary Public, personally appeared Cheung, Gerald personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Heidi Opstedal  
Signature of Notary Public  
My Commission Expires: May 11, 2004

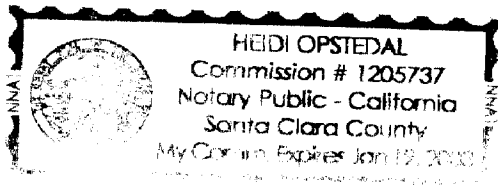
Sindhu, Pradeep  
26000 Alicante Lane  
Los Altos Hills, CA 94022

Signature: Pradeep  
Date: 4 Feb 2002

State of California )  
                                  ) ss:  
County of Santa Clara )

On this 4<sup>th</sup> day of February, 20 02, before me, Heidi Opstedal, Notary Public, personally appeared Sindhu, Pradeep personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Heidi Opstedal  
Signature of Notary Public  
My Commission Expires: January 19, 2003