

03-14-2002



Tab settings

To the Honorable Commissioner of Pa.

102015238

... original documents or copy thereof.

1. Name of conveying party(ies): Ken Kuwabara Steven Lin Michael Langdon  
Additional name of conveying party(ies) attached?  Yes  No

2.27.02

2. Name and address of receiving party(ies)  
Name: Juniper Networks, Inc.  
Internal Address:

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: Dec. 28, 2001, Jan. 4, 2002, and Jan. 25, 2002

Street Address: 1194 N. Mathilda Ave.  
City: Sunnyvale State: CA Zip: 94089  
Additional Name(s) & address(es) attached?  Yes  No

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)  
09/990,204

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

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

03/13/2002 RANMED1 00000121 501763 09990204  
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:

### FILTER-BASED FORWARDING IN A NETWORK

for which an application for a United States Patent was filed on November 21, 2001, Application Number 09/990,204.

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.

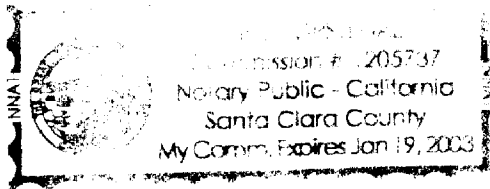
Kuwabara, Ken  
473 Ives Terrace  
Sunnyvale, CA 94087

Signature: [Handwritten Signature]  
Date: Dec 28, 2001

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

On this 28 day of December, 2001, before me, Heidi Opstedal, Notary Public, personally appeared Kuwabara, Ken, 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

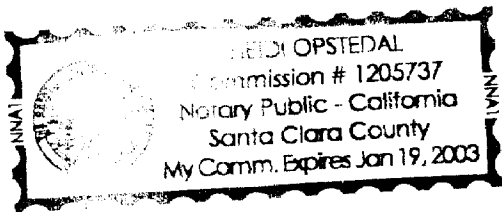
Lin, Steven  
20588 Scofield Drive  
Cupertino, CA 95014

Signature: [Handwritten Signature]  
Date: 1/25/2002

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

On this 25 day of January, 2002, before me, Heidi Opstedal, Notary Public, personally appeared Lin, Steven, 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

