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19-11-01	101680	
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Te the Honorable Commis	sioner of Fatents and Trademan	ks. Please record the attached original document(s) or copy
Name of conveying part Stefan DYCKERHOFF SINDHU; Ashok KRISHN	ry(ies): ; Pankaj PATEL; Pradeep AMURTHI; Hann-Hwan JU; Dennis C. FERGUSON; and	Name and address of receiving party(ies):     Name: Juniper Networks, Inc.  Address: 1194 North Mathilda Avenue     Sunnyvale, California 94089-1206
Additional name(s) of conv ☐ Yes ☒ No	veying party(ies) attached?	Samy vaic, Camonia 94007-1200
3. Nature of conveyance:  Assignment Security Agreement Other:	☐ Merger ☐ Change of Name	Additional name(s) & address(es) attached?  ☐ Yes ☐ No
Execution Dates: March 19 2001	9, 20, 23, 27, and April 2,	
4. Application number(s) of	or patent number(s):	
,,		
		lication, the execution date of the application is:
A. Patent Application N 09/751,454		B. Patent No.(s)
	Additional numbers at	
5. Name and address of par should be mailed:	rty to whom correspondence	6. Total number of applications and patents involved: 1
Name: Paul A. Harrity		7. Total fee (37 CFR 3.41): \$40.00
Address: HARRITY &	SNYDER, L.L.P.	
11240 Waples	•	Authorization to be charged to deposit account, if
Suite 300 Fairfax, Virgii	nia 22030	necessary.
26615 RAIBHT HARMAROPPER		8. Deposit account number:
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	DO NOT U	USE THIS SPACE
9. Statement and signature To the best of my knowledg copy of the original docume Paul A. Harrity Name of Person Signing	e and belief, the foregoing infor	April 11, 2001 Date
Total number of pages inclu	ading cover sheet, attachments,	and document: 6
	Mail documents to be recorded with	h required cover sheet information to:

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**PATENT REEL: 011679 FRAME: 0693** 

JOINT INVENTION (Worldwide Rights)

## ASSIGNMENT

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

## SYSTEMS AND METHODS FOR ALLOCATING BANDWIDTH FOR PROCESSING OF PACKETS

for which an application is being filed herewith; or for which we filed an application for
United States Letters Patent on January 2, 2001 under Serial No. 09/751,454; and

WHEREAS, Juniper Networks, Inc., a corporation of <u>Delaware</u> whose post office address is <u>1194 North Mathilda Avenue</u>, <u>Sunnyvale</u>, <u>California 94089-1206</u> (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 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.

PATENT REEL: 011679 FRAME: 0694

IN WITNESS WHEREOF, I hereto set my hand. Signature: 3/19/01 Stefan DYCKERHOFF 1015 Forest Court Palo Alto, California 94301 State of California ) ss: County of Santa Clara ) On this 19th day of March, 20 01, before me, Heide Opstedal, Notary Public, personally appeared Stefan DYCKERHOFF 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: 1/19/03 Commission # 1205737 -Notary Public - California ま Santa Clara County Will Coom. Expires Jon 19, 2003 IN WITNESS WHEREOF, I hereto set my hand. Signature:  $\frac{1}{3}$  |  $\frac{27}{2001}$ Pankai PATEL 1273 Aster Lane Cupertino, California 95014 State of California ) ss: County of Santa Clara ) On this 27th day of March, 2001, before me, Heidi Opstedal, Notary Public, personally appeared Pankaj PATEL 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. Signature of Notary Public
My Commission Expires: 1/19/03 HEIDI OPSTEDAL Commission # 1205737 Notary Public - California Santa Clara County

IN TESTIMONY WHEREOF, WE have hereunto set our hand.

PATENT REEL: 011679 FRAME: 0695

IN WITNESS WHEREOF, I hereto set my hand	i. ()		
Pradeep SINDHU 26000 Alicante Lane	Signature: Torrespondent		
Los Altos Hills, California 94022	Date: 23 march Cl		
State of California )			
) ss: County of Santa Clara )			
be the person whose name is subscribed to	peared <u>Pradeep SINDHU</u> personally known to me to the within instrument and acknowledged to me that acity, and that by his signature on the instrument the he person acted, executed the instrument.		
HEIDI OPSTEDAL Commission # 1205737 Notary Public - California Santa Clara County [Notary al Al Cartern, Expires Jan 19, 2003	WITNESS my hand and official seal.  Signature of Notary Public  My Commission Expires: //19/03		
IN WITNESS WHEREOF, I hereto set my hand	1. Adam land		
Ashok KRISHNAMURTHI 3231 Fieldgate Court	Signature: Ashon Uneshorth  Date: 03/19/2001		
San Jose, California 95148	Date: 03/19/2001		
State of California ) ) ss: County of Santa Clara )			
On this			
me that he executed the same in his authorize instrument the person, or the entity upon be	zed capacity, and that by his signature on the		

PATENT

REEL: 011679 FRAME: 0696

IN WITNESS WHEREOF, I hereto set my hand	$\mathcal{L}$		
Hann-Hwan JU 1920 Majestic Way	Signatura:		
San Jose, California 95132	Date: $\frac{3/2 \circ / \circ /}{}$		
State of California )	·		
) ss: County of Santa Clara )			
the person whose name is subscribed to the	eared Hann-Hwan JU personally known to me to be within instrument and acknowledged to me that he are person acted, executed the instrument.		
HEIDI OPSTEDAL Commission # 1205737 Notary Public - California \$ Santa Clara County [Notary = Sent/Elene] Expires Jon 19, 2003	WITNESS my hand and official seal.  Signature of Notary Public  My Commission Expires: 1/19/03		
IN WITNESS WHEREOF, I hereto set my hand	OUA		
Ramalingam K. ANAND	Signature: KKAn and		
3096 Toscana Court San Jose, California 95135	Date: April 2nd 2001		
State of California ) ) ss: County of Santa Clara )			
On this 2 day of			
HEIDI OPSTEDAL Commission # 1205737 Notary Public - California \$ [Notary Public - County   Commission   Public   County   Commission   Public   County   Commission   Public   County   Public   Public   County   Public   Public	WITNESS my hand and official seal.  Signature of Notary Public My Commission Expires: 1/19/03		

IN WITNESS WHEREOF, I hereto set my hand	·
Dennis C. FERGUSON	Signature: Mus Lyu
203 Orchard Glen Court Mountain View, California 94043	Date: March 20, 2001
State of California ) ) ss:	
County of Santa Clara )	
me to be the person whose name is subscrib that he executed the same in his authorized	peared Dennis C. FERGUSON personally known to ed to the within instrument and acknowledged to me capacity, and that by his signature on the instrument the person acted, executed the instrument.
HEIDI OPSTEDAL Commission # 1205737 Notary Public - California Santa Clara County [Notary See Clarify] Expires Jan 19, 2003	WITNESS my hand and official seal.  Signature of Notary Public  My Commission Expires: 1/19/03
IN WITNESS WHEREOF, I hereto set my hand	$\sim$ $\sim$ $\sim$ $\sim$ $\sim$
Chang-Hong WU	Signature:
1006134 1035	
19961 Merritt Drive Cupertino, California 95014	Date:
	Date: 3/2/01
Cupertino, California 95014  State of California ) ) ss:  County of Santa Clara )  On this 23 day of 1  Opstedal, Notary Public, personally apple the person whose name is subscribed to the	eared Chang-Hong WU personally known to me to the within instrument and acknowledged to me that city, and that by his signature on the instrument the