Docket No.	. 1014-030US01/JNP	-0180 08 -	30-2002	
FORM PTO-159	95			U.S. DEPARTMENT OF COMMERCE
(Rev. 6-93) OMB No. 0651-	-0011 (exp. 4/94)		2207377	Patent and Trademark Office
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	onveying party(ies):	Execution		
	Hsien-Chung Woo Sanjay Kalra Truman Joe Wendy R. Cartee Stephen W. Turner	(Month/Day/ 08/13/200 08/16/200 08/16/200 08/19/200 08/16/200	Juniper Network21194 North Math2Sunnyvale, Calif22	
Additional n	ame(s) of conveying pa	rty(ies) attached? 🔲 Yes 🛛 N	No Additional name(s) & ac	ldress(es) attached? 🔲 Yes 🛛 No
See	onveyance: signment curity Agreement her:	<ul> <li>Merger</li> <li>Change of Name</li> </ul>	Submission Type: New Correction of PT Corrective Docu	Resubmission (Non-Recordation): Document ID # TO Error: Reel # Frame # ment: Reel # Frame #
		l with a new patent application ded against the following pate		
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To the b	nd signature: best of my knowledge document.		rmation is true and correct and	I any attached copy is a true copy of the
Kent J. Sie Name of F	effert Person Signing	<u> </u>	-JAS	August 26, 2002 Date
		Total num	ber of pages of the attached conv	eyance document including any attachments: 4
Name of F Mail docu Public bu document Patent and	Person Signing ments to be recorded with and gathering for this sam and gathering the data neu d Trademark Office, Office Project (0651-0011), Wa	Signature Total num Do not required cover sheet information to: Commissioner of Box Washin ple cover sheet is estimated to average eded, and completing and reviewing th of information systems, PK2-1000C, shington, D.C. 20503.	detach this portion of Patents and Trademarks x Assignments ngton, D.C. 20231 e about 30 minutes per document to be	Date eyance document including any attachme e recorded, including time for reviewing the ts regarding this burden estimate to the U.S. Office of Management and Budget, Paperworl
			REFI	PATENT : 013228 FRAME: 0439
			REEL	. U 13220 FRAIVIE: U433

## ASSIGNMENT

For valuable consideration, we, Hsien-Chung Woo of 3680 Cormorant Terrace, Fremont, California 94555-1530, Sanjay Kalra of 3024 Canoas Creek Court, San Jose, California, 95136, Truman Joe of 163 Irene Ct., Mountain View, California 94043, Wendy R. Cartee of 290 Cuesta Drive, Los Altos, California 94022 and Stephen W. Turner of 1320 Mills Street, Menlo Park, California 94025 hereby assign to: Juniper Networks, Inc. having a place of business at: 1194 N. Mathilda Avenue, Sunnyvale, California 94089-1206; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled NETWORK DEVICE HAVING ACCOUNTING SERVICE CARD filed herewith, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 8/16/2002 State of *(alifornia)* Scounty of Santa) ss:



On this <u>16</u> day of <u>August</u>, 2002, before me, <u>Heidi Opstechal</u> Notary Public, personally appeared Stephen W. Turner personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Signature of Notary Public My Commission Expires: ///9/03

Date: 8/13/02

State of California) County of Sagta ) ss:

On this <u>13</u> day of <u>August</u>, 2002 before me, <u>Heide Opstedal</u> Notary Public, personally appeared <u>Hien-Chung Woo</u> personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Signature of Notary Public

My Commission Expires: 1/19/13

PATENT REEL: 013228 FRAME: 0441

Date:	8/16/2002				
State of (	alifornia				
County of	Santa)ss: Clara)				

On this <u>14</u> day of <u>August</u>, 2002, before me, <u>Heidi Opstedal</u> Notary Public, personally appeared <u>Sanay Kalra</u> personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Audi Justedo O Signature of Notary Public My Commission Expires: 1/19/03

Date: <u>August 16,2002</u> State of California) County of Santa) Ss: Clara

Truman Joe

On this <u>16</u> day of <u>August</u>, 2002, before me, <u>Heide</u>, <u>Destedan</u> Notary Public, personally appeared <u>Fruman</u> Joe, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Kidi astedal

Signature of Notary Public My Commission Expires:

P. Carle

Date: <u>8/19/02</u> State of California County of Santa ) ss: Clara

On this <u>19</u> day of <u>August</u>, 2002, before me, <u>Hidi Opsteda</u> Notary Public, personally appeared <u>Wondy R Cartee</u> personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within

instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Signature of Notary Public My Commission Expires: 1/19/03