PEGODE	03-20- <u>2003</u> ———————————————————————————————————
KECOKI	
To the Honorable commissioner of Patents an	
	102394543
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
James Leong Douglas P Dougette 3.17.03	Zi i tumio uma uma casa es casa es ang panag (casa).
Douglas P. Doucette	Name: Network Appliance, Inc.
Stephen H. Strange	11
Rajesh Sundaram	
Srinivasan Viswanathan	Street Address: 495 East Java Drive
Additional name(s) of conveying	
party(ies) attached?YesX No	City: Sunnyvale,
party(les) attached: res res	
3. Nature of conveyance:	State: CA Zip: 94089
X Assignment	1
Merger	
Security Agreement	
Change of Name	
Other	Additional name(s) & address(es)
	Attached? Yes X No
Execution Date: <u>07/10/2002</u> ; <u>06/27/2002</u> ; <u>07/10/2002</u>	
07/10/2002 and $03/12/2003$ respectively	F.3 13
4. Application number(s) or patent number(s): 1	
	unlication the execution
If this document is being filed together with a new a	pplication, the execution
date of the application is:	
A. D. (-), 10/105 020	B. Patent No. (s)
A. Patent Application No.(s): 10/105,039	B. Patent No. (s)
	B. Patent No. (s) SECTION 9: 03
Additional numbers attached	?YesXNo
5. Name and address of party to whom	6. Total number of applications and
correspondence concerning document should be	patents involved:1
mailed:	
	7. Total fee (37 CFR 3.41) \$40.00
Name: William A. Loginov	X Enclosed
/	Authorized to be charged to deposit
/Street Address: Cesari and McKenna, LLP	Account
88 Black Falcon Avenue	8. Deposit account no. 03-1237 (Attach duplicate
City: Boston State: MA Zip: 02210	copy of this page if paying by deposit account)
City. Boscon State. Fix Pip. 02210	
3/19/2003 DBYRHE 00000171 10105039 DO NOT U	SE THIS SPACE
01 FC:8021 40.00 OP	
9. Statement and signature.	tion is two and connect and any attached come is a two
To the best of my knowledge and belief, the foregoing information copy of the original document.	tion is true and correct and any attached copy is a true
copy of the original accument.	/ ()
William A. Loginov, Reg. No. 34,863	March 17, 2003
Name of Person Signing Signatu	re Date
	Total number of pages comprising cover sheet: 1

ASSIGNMENT

WHEREAS, We, James Leong, Douglas P. Doucette, Stephen H. Strange, Rajesh Sundaram, and Srinivasan Viswanathan, have invented one or more improvements in:

Method and Apparatus for RuntimeResource Deadlock Avoidance in a RAID System described in an application (or provisional application) for Letters Patent of the United States: identified by Attorney Docket No. NWK-004, and/or executed by us of even date herewith and about to be filed in the United States Patent Office; Serial No. 10/105,039 filed in the United States Patent Office on March 21, 2002; and

WHEREAS, Network Appliance, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 495 East Java Drive, Sunnyvale, California 94089, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application or such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

Joint Assignment Page 2

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

		Inventor: James Leong
State of California County of)) ss	
Subscribed and swort, 2002		the above-named James Leong, this day of
		Notary Public My Commission Expires:
		Inventor: Douglas P. Doucette
State of Washington County of Sland)) ss	
	, 2002.	Notary Public My Commission Expires: 17-19/05

		Inventor:		
			Stephen H. Strange	_
State of California County of)) ss			
Subscribed and sw of		y the above-name	d Stephen H. Strange, this	da <u>y</u>
		Notary Public My Commissio	on Expires:	
		Inventor:	Rajesh Sundaram	_
State of California County of)) ss			
Subscribed and swo		the above-named	d Rajesh Sundaram, this	day
		Notary Public My Commissio	n Expires:	
		Inventor:	Srinivasan Viswanathan	_
State of California County of)) ss			
	orn to before me, by		d Srinivasan Viswanathan, this	
2353260_1		Notary Public My Commissio	n Expires:	

Joint Assignment Page 3

ASSIGNMENT

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Method and Apparatus for RuntimeResource Deadlock Avoidance in a RAID System

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\boxtimes]	Serial No. 10/105,039 filed in the United States Patent Office on March 21, 2002; and
33.7	a con	

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

		Inventor:	James Leong
State of California County of)) ss		
Subscribed and swor		the above-name	ed James Leong, this day of
		Notary Public My Commissi	on Expires:
		Inventor:	Douglas P. Doucette
State of California County of)) ss		
Subscribed and sworday of		the above-name	ed Douglas P. Doucette, this
		Notary Public My Commissi	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	1
County of Santa Clara	ss.
County of Minute Curre	J
On July 10, 2002, before me	e, Panela L. Thompson Notax Public Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared anes d	Name(s) of Signer(s)
	personally known to me
	proved to me on the basis of satisfactor evidence
	to be the person(s) whose name(s) is/ensubscribed to the within instrument an acknowledged to me that he/she/they execute the same in his/her/their authorize capacity(ies), and that by his/her/the signature(s) on the instrument the person(s), or
PAMELA L. THOMPSON	the entity upon behalf of which the person(s
Commission # 1318115 Notary Public - California	acted, executed the instrument.
Santa Clara County My Comm. Expires Aug 17, 2005	WITNESS my hand and official seal.
My Contain Expression 11, 2000	A J Management
Place Notary Seal Above	tamela Memoren
Tide Notaly Sea Nesve	
Though the information below is not required	- OPTIONAL If by law, it may prove valuable to persons relying on the document
	oval and reattachment of this form to another document.
Description of Attached Document	
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Other Than Named Ahove:	
Capacity(ies) Claimed by Signer	RIGHT THUMBPRIN
Individual	OF SIGNER
Corporate Officer — Title(s):	Top of thumb here
Partner — Li Limited Li General	
Attorney in Fact	
! Trustee	
Guardian or Conservator	
Other:	
Signer Is Representing:	

		Inventor: Stephen H. Strange
State of California County of)) ss	
Subscribed and sw		y the above-named Stephen H. Strange, this da
		Notary Public My Commission Expires:
		Inventor: Rajesh Sundaram
State of California County of)) ss	
Subscribed and sw		y the above-named Rajesh Sundaram, this day
		Notary Public My Commission Expires:
		Inventor: Srinivasan Viswanathan
State of California County of)) ss	
	forn to before me, by	y the above-named Srinivasan Viswanathan, this , 2002.
		Notary Public My Commission Expires:

Joint Assignment

Page 3

2353260_1

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	1
_	ss.
County of Santa Clara	J
On July 10, 2003, before me, personally appeared Stephen	PAMELA LThompson, Notary Public Name and Title of Officer (e.g. "Jane Doe. Notary Public") H. Styanse. Name(s) officer(s)
J	· · · · · · · · · · · · · · · · · · ·
	personally known to me proved to me on the basis of satisfactory evidence
PAMELA L. THOMPSON Commission # 1318115 Notary Public - California Santa Clara County My Comm. Expires Aug 17, 2005	to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument. WITNESS my hand and official seal.
Place Notary Seal Above	Signature of Notary Public
	OPTIONAL
. ,	law, it may prove valuable to persons relying on the document land reattachment of this form to another document.
Description of Attached Document	
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Signer's Name:	RIGHT THUMBPRINT
☐ Individual	OF SIGNER Top of thumb here
☐ Corporate Officer — Title(s):	
☐ Partner — ☐ Limited ☐ General	
Attorney in Fact	
Trustee	
Guardian or Conservator	
Other:	
Signer Is Representing:	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT State of California County of SANTA CLAYA On July 10, 2002, before me, PAMOLA L.Thumpsu, Notary Public Name and Title of Officer (e.g., "Jane Doe, Notary Public") personally appeared Fajesh Sunday Name(s) of Signer(s) personally known to me X proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed same in his/her/their authorized capacity(ies), and that by his/her/their signature(8) on the instrument the person(8), or PAMELA L. THOMPSON the entity upon behalf of which the person(s) Commission # 1318115 acted, executed the instrument. Notary Public - California Santa Clara County Comm. Expires Aug 17, 2005 WITNESS my hand and official seal. Place Notary Seal Above - OPTIONAL -Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. **Description of Attached Document** Title or Type of Document: Number of Pages: _____ Document Date: Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: _____ Individual Corporate Officer — Title(s): __ ☐ Partner — ☐ Limited ☐ General □ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator Other:

© 1999 National Notary Association • 9350 De Soto Ave., P.O. Box 2402 • Chatsworth, CA 91313-2402 • www.nationalnotary.org

Signer Is Representing:

ASSIGNMENT

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herewit	☐ h and al	identified by Attorney Docket No. NWK-004, and/or executed by us of even date bout to be filed in the United States Patent Office;
	\boxtimes	Serial No. 10/105,039 filed in the United States Patent Office on March 21, 2002; and
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Joint Assignment Page 2

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

		Inventor:	James Leong	
State of California County of)) ss			
Subscribed and sworn , 2002.	to before me, by	the above-named	d James Leong, this	_ day o
		Notary Public My Commissio	n Expires:	
		Inventor:	Douglas P. Doucette	
State of California County of)) ss			
Subscribed and sworn day of		the above-named	d Douglas P. Doucette, this _	
		Notary Public My Commissio		

		Inventor:		
			Stephen H. Strange	
State of California County of)) ss			
Subscribed and sworn of,		the above-name	d Stephen H. Strange, this	day
		Notary Public My Commissio	on Expires:	-
		Inventor:	Rajesh Sundaram	
State of California County of)) ss			
Subscribed and sworn of,	-	the above-named	d Rajesh Sundaram, this	day
		Notary Public My Commissio	n Expires:	
Date: 03 12 2	003 My.	Inventor:	Srinivasan Viswanathan	
State of California County of)) ss			
Subscribed and sworn day of	-		d Srinivasan Viswanathan, this	
2353260_1		Notary Public My Commissio	n Expires:	