Ricky 10/02   OMD No. 0651-0011 (exp. 6/30/2005)   To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.   1. Name of conveying party(ies):   Alexander D. Petruncola; Nareshkumar M. Patel; Grace   Ho; Jeffrey S. Kimmel			
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.  1. Name of conveying party(ies): Alexander D. Petruncola; Nareshkumar M. Patel; Grace Ho; Jeffrey S. Kimmel	FORM <b>PTO-1595</b> (Rev. 10/02) OMD No. 0651-001	Reco 11 (exp. 6/30/2005)	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.  1. Name of conveying party(ies): Alexander D. Petruncola; Nareshkumar M. Patel; Grace Ho; Jeffrey S. Kimmel			102731860
Alexander D. Petruncola; Nareshkumar M. Patel; Grace Ho; Jeffrey S. Kimmel    Additional name(s) of conveying party(ies) attached?   Internal Address:   Street Address:   495 East Java Drive			Please record the attached original documents or copy thereof.
Additional name(s) of conveying party(ies) attached?  Additional name(s) of conveying party(ies) attached?  Name: Network Appliance, Inc.  Internal Address:  Street Address: 495 East Java Drive  Street Address: 495 East Java Drive  City: Sunnvale State: CA Zip: 94089  Country: USA  Additional name(s)& address(es) attached? It is additional name(s)& address(es) att			Name and address of receiving party(ies):
Additional name(s) of conveying party(ies) attached?    Internal Address:   Street Address:   Street Address:   495 East Java Drive			Name: Network Appliance, Inc.
Street Address: 495 East Java Drive     City: Sunnyvale     City	•	4-21-0	
3. Nature of Conveyance:    Sassignment	Additional name(s)	of conveying party(ies) attached?	Internal Address:
Assignment	☑ No ☐ Yes		Street Address: 495 East Java Drive
Security Agreement	3. Nature of Conve	yance:	
Other   Execution Date: 4/19/2004; 4/19/2004; 4/19/2004; 4/19/2004   Additional name(s)& address(es) attached?	🛛 Assignme	ent	
Execution Date: 4/19/2004; 4/19/2	☐ Security A	Agreement	City: Sunnyvale State: CA Zip: 94089
Additional name(s)& address(es) attached? No Yes  Additional name(s)& address(es) attached? No Y	☐ Other		Country: USA
A. Patent Application No.(s)  Additional numbers attached?  Anditional numbers attached?  Anditi			
A. Patent Application No.(s)  B. Patent No.(s)  Additional numbers attached? No Yes  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Blakely, Sokoloff, Taylor & Zafman LLP  Internal Address:  Street Address:  Street Address:  City: Los Angeles  State: CA  ZIP: 90025  B. Patent No.(s)  Concerning No.(s)  B. Patent No.(s)  Concerning No. Yes  6. Total number of applications and patents involved:  Authorized to be charged to deposit account  8. Deposit Account Number:  02-2666  (Attach duplicate copy of this page if paying by deposit account	4. Application numb	per(s) or patent number(s):	tion, the execution date of the application is: $\frac{4/19/2004}{}$
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Blakely, Sokoloff, Taylor & Zafman LLP  Internal Address:  Street Address:  12400 Wilshire Boulevard 7th Floor  City: Los Angeles  State: CA  ZIP: 90025  6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed Authorized to be charged to deposit account  8. Deposit Account Number:  02-2666 (Attach duplicate copy of this page if paying by deposit account		-	
Name: Blakely, Sokoloff, Taylor & Zafman LLP  Internal Address:  Street Address:  12400 Wilshire Boulevard 7th Floor  City: Los Angeles  State: CA  ZIP: 90025  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed □ Authorized to be charged to deposit account  8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account	118.	207/8	
Internal Address:  Street Address:  12400 Wilshire Boulevard  7th Floor  City: Los Angeles  State: CA  ZIP: 90025  Enclosed  Authorized to be charged to deposit account  8. Deposit Account Number:  02-2666  (Attach duplicate copy of this page if paying by deposit account	/000	X / / / 🐧 Additional numbers	attached? ☑ No ☐ Yes
Street Address:    12400 Wilshire Boulevard   7th Floor   8. Deposit Account Number:   City: Los Angeles   State: CA   ZIP: 90025   02-2666     (Attach duplicate copy of this page if paying by deposit account number)	5. Name and addre	ess of party to whom correspondence	
Street Address: 12400 Wilshire Boulevard 7th Floor 8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account Address)	5. Name and addre	ess of party to whom correspondence nt should be mailed:	6. Total number of applications and patents involved: 1
7th Floor  City: Los Angeles State: CA ZIP: 90025  (Attach duplicate copy of this page if paying by deposit account Number:  (Attach duplicate copy of this page if paying by deposit account Number:	5. Name and addre concerning docume  Name: Blakely, S	ess of party to whom correspondence nt should be mailed: Sokoloff, Taylor & Zafman LLP	6. Total number of applications and patents involved: 1  7. Total Fee (37 CFR 3.41)\$ 40.00  ☑ Enclosed
City: Los Angeles State: CA ZIP: 90025 02-2666  (Attach duplicate copy of this page if paying by deposit account)	5. Name and addre concerning docume  Name: Blakely, S  Internal Address:	ess of party to whom correspondence nt should be mailed: Sokoloff, Taylor & Zafman LLP	6. Total number of applications and patents involved: 1  7. Total Fee (37 CFR 3.41)\$ 40.00  ☑ Enclosed
(Attach duplicate copy of this page if paying by deposit accounts)	5. Name and addre concerning docume  Name: Blakely, S	ess of party to whom correspondence nt should be mailed:  Sokoloff, Taylor & Zafman LLP  12400 Wilshire Boulevard	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  ☐ Enclosed ☐ Authorized to be charged to deposit account
DO NOT USE THIS SPACE	5. Name and addre concerning docume Name: Blakely, S Internal Address: Street Address:	ess of party to whom correspondence nt should be mailed:  Sokoloff, Taylor & Zafman LLP  :  12400 Wilshire Boulevard 7th Floor	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed  Authorized to be charged to deposit account  8. Deposit Account Number:
	5. Name and address: Name: Blakely, S Internal Address: Street Address:	ess of party to whom correspondence nt should be mailed:  Sokoloff, Taylor & Zafman LLP  :  12400 Wilshire Boulevard 7th Floor	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed  Authorized to be charged to deposit account  8. Deposit Account Number:
	5. Name and address: Name: Blakely, S Internal Address: Street Address:	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP:  12400 Wilshire Boulevard 7th Floor  State: CA ZIP: 900	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed  Authorized to be charged to deposit account  8. Deposit Account Number:  02-2666  (Attach duplicate copy of this page if paying by deposit account)
To the heat of must work and helief the foresting is two and sewest and any ottoched service a two services the spinished dec	5. Name and addresoncerning docume Name: Blakely, S Internal Address: Street Address: City: Los Angeles  9. Statement and s	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP  :	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$\(\frac{40.00}{\square}\) Enclosed  Authorized to be charged to deposit account  8. Deposit Account Number:  02-2666  (Attach duplicate copy of this page if paying by deposit account)  USE THIS SPACE
To the best of mydriowiesga and belief, the foregoing is true and correct and any attached copy is a true copy of the original doct	5. Name and addresoncerning docume Name: Blakely, S Internal Address: Street Address: City: Los Angeles  9. Statement and s	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP  :	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed Authorized to be charged to deposit account  8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)  USE THIS SPACE
	5. Name and addresoncerning docume Name: Blakely, S Internal Address: Street Address: City: Los Angeles  9. Statement and s To the best of my	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP  12400 Wilshire Boulevard 7th Floor  S State: CA ZIP: 900  DO NO	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed Authorized to be charged to deposit account  8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)  USE THIS SPACE
DBYRME 00000199 10889718	5. Name and addresoncerning docume Name: Blakely, S Internal Address: Street Address: City: Los Angeles  9. Statement and s To the best of my	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP  12400 Wilshire Boulevard  7th Floor  State: CA ZIP: 900  DO NO  signature.  knowledge and belief, the foregoing is true	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed Authorized to be charged to deposit account  8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)  USE THIS SPACE
	5. Name and addresoncerning docume Name: Blakely, S Internal Address: Street Address: City: Los Angeles  9. Statement and s To the best of my	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP  12400 Wilshire Boulevard  7th Floor  State: CA ZIP: 900  DO NO  signature.  knowledge and belief, the foregoing is true	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed Authorized to be charged to deposit account  8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)  USE THIS SPACE
DBYRNE 00000199 10829718	5. Name and addresoncerning docume Name: Blakely, S Internal Address: Street Address: City: Los Angeles  9. Statement and s To the best of myd	ess of party to whom correspondence int should be mailed:  Sokoloff, Taylor & Zafman LLP  12400 Wilshire Boulevard  7th Floor  S State: CA ZIP: 900  DO NO  Signature.  Knowledge and belief, the foregoing is true	6. Total number of applications and patents involved:  7. Total Fee (37 CFR 3.41)\$ 40.00  Enclosed Authorized to be charged to deposit account  8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)  USE THIS SPACE  and correct and any attached copy is a true copy of the original document

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office P.O. Box 1450

Alexandria, VA 22313-1450

Docket No. 5693P065

Attorney's Docket No.: 5693P065

# **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Alexander D. Petruncola; Nareshkumar M. Patel; Grace Ho; Jeffrey S. Kimmel

hereby sell, assign, and transfer to:

#### Network Appliance, Inc.

a Corporation of Delaware, having a principal place of business at 495 East Java Drive, Sunnyvale, California 94089 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

## Method and Apparatus for Allocating Resources in a Shared Resource Processor

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

5693P065

Page 1 of 2

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

### Each Inventor: Please Sign and Date Below:

4/19/04	Man Hard
Date	Name: Alexander D. Petruncola
4-19-04	Mit he
Date	Name: Nareshkumar M. Patel
4/19/04	Dear (L
Date	Name: Grace Ho
Date	Name: Jeffrey S. Kimmel
Date	Name:

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

Telephone: (408) 720-8300

5693P065

Page 2 of 2

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	ss.
County of Santa Gara	
on Cocil 19 zwd, before me, Copersonally appeared Alexande	Name and Title of Officer (e.g. Jene Doe, Notary Plublic)  Name(s) of Signer(s)  Spersonally known to me  proved to me on the basis of satisfactory evidence
ANGELA ARZATE Commission # 1317435 Notary Public California Santa Clara County My Corran. Expires Aug 11, 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), or the entity upon behalf of which the person(s) acted, executed the instrument.
Place Notary Seal Above	WITNESS my hand and official seal.  Signature of Notary Public
OP	TIONAL —
	n, it may prove valuable to persons relying on the document of realtachment of this form to another document.
Description of Attached Document Title or Type of Document:	a realization of this form to ground 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:	
Simon la Constantina	
Signer & Representing:	

1999 National Notary Association • 9350 De Soto Ave., P.O. Box 2402 • Chalsworth, CA 91313-2402 • www.nationalnotary.org Prod. No. 5907 Reorder: Call Toll-Free 1-800-876-6827

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California  County of Santa Clara	ss.
	—— J
on Gor, 19, 2011, before me, Appeared Nareshkum	Name and Title of Officer' (e.g., "Jane Doe, Notary Public")  A Maganal Patel  Name(s) of Signer(s)
	personally known to me proved to me on the basis of satisfactory evidence
ANGELA ARZATE  Commission # 1317435  Notary Public California  Santa Clara County  Comm. Expires Aug 11, 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), or the entity upon behalf of which the person(s) acted, executed the instrument.
Place Notary Seal Above	WITNESS my hand and official seal.  Signature (Notary Public
OP	TIONAL —————
	it may prove valuable to persons relying on the document I 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	
Trustee	
Guardian or Conservator	
Other:	
Signer Is Representing:	

2 1999 National Notary Association • 9350 De Soto Ave. P.O. Box 2402 • Chateworth CA 91313-2402 • June 1910-2402 • Chateworth CA 91313-2402

Prod. No. 5907

Reorder: Call Toll-Free 1-800-876-6827

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT TO STOCK STOCK

State of California  County of Santa Clara	ss.
County of	——— J
On Pril 19 2a 4, before me, Propersonally appeared Grace +	gela Ostate Watery Public.  Name and Title of Office (e.g., 'Jane Doe, Notary Public')
personally appeared	Name(s) of Signer(s)
	∠ personally known to me  ∠ proved to me on the basis of satisfactory evidence
ANGELA ARZATE Commission # 1317435 Notary Public California Santa Clara County My Comm. Expires Aug 11, 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), or the entity upon behalf of which the person(s) acted, executed the instrument.
Place Notary Seal Above	WITNESS my hand and official seal.  Signature of Notary Public
OP	TIONAL —
Though the information below is not required by law	t, it may prove valuable to persons relying on the document dreattachment 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):	Top of thumb here
☐ Partner — ☐ Limited ☐ General	Top of thumb here
☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact	Top of thumb here
☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee	Top of thumb here
Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator	Top of thumb here
☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee	Top of thumb here

\$ 1999 National Notary Association • 9350 De Solo Ave., P.O. Box 2402 • Chalsworth, CA 91313-2402 • www.nationalnotary.org

Prod. No. 5907

Reorder: Call Toll-Free 1-800-876-6827

Attorney's Docket No.: 5693P065

# **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Alexander D. Petruncola; Nareshkumar M. Patel; Grace Ho; Jeffrey S. Kimmel

hereby sell, assign, and transfer to:

### Network Appliance, Inc.

a Corporation of Delaware, having a principal place of business at 495 East Java Drive, Sunnyvale, California 94089 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

## Method and Apparatus for Allocating Resources in a Shared Resource Processor

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

5693P065 Page 1 of 2

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

	Each Inven	tor: Please	Sign and	Date Below:
--	------------	-------------	----------	-------------

Date	Name: Alexander D. Petruncola
Date	Name: Nareshkumar M. Patel
Date	Name: Grace Ho
4/19/2009 Date	Name: Jeffrey S. Kimmel
Date	Name:

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

Telephone: (408) 720-8300

5693P065

Page 2 of 2

State of: NAKE NORTH CAROLINA  County of: WAKE  State of: WAKE
On 19th Apr 2004, before me, DONNA M. MIAIZEOTTE NOTARY Public Name and Title of Officer (e.g., "Jane Doe, Notary Public)"
personally appeared <u>JellieuS.KimmeL</u> , Name(s) of Signer(s)
personally known to me 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 the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) 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.
Eignature of Notary Public

Attorney Docket No.: 5693P065

**RECORDED: 04/21/2004**