

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3673681

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VIPUL MATHUR	02/01/2011
NEERAJA YADWADKAR	02/09/2011
LAKSHMI NARAYANAN BAIRAVASUNDARAM	01/26/2011
RUKMA AMEET TALWADKER	02/02/2011
KALADHAR VORUGANTI	01/26/2011
SAI RAMA KRISHNA SUSARIA	01/14/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NETAPP, INC.
<b>Street Address:</b>	495 E. JAVA DRIVE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94089
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14981730
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)670-8904
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	5127108326
<b>Email:</b>	uspto@gilliamip.com
<b>Correspondent Name:</b>	GILLIAM IP PLLC (NETAPP)
<b>Address Line 1:</b>	111 CONGRESS AVE
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	AUSTIN, TEXAS 78701
<b>ATTORNEY DOCKET NUMBER:</b>	124.P01-004486.04.US.CON2
<b>NAME OF SUBMITTER:</b>	JUDITH HUERTA
<b>SIGNATURE:</b>	/Judith Huerta/
<b>DATE SIGNED:</b>	12/28/2015

**Total Attachments: 11**

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source=P01\_004486\_04\_US\_CON2\_Assignment\_Filed20151228#page11.tif

### ASSIGNMENT

Whereas We, Neeraja Yadwadkar, whose residence is Bangalore, Karnataka, India; Sai R. Susarla, whose residence is Bangalore, Karnataka, India; Kufadhar Yarraganti, whose residence is San Jose, CA; Rukmi A. Talwadkar, whose residence is Bangalore, Karnataka, India; Vipul Mathur, whose residence is Bangalore, Karnataka, India; and Lakshmi Narayanan Rairavasundaram, whose residence is Sunnyvale, CA, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MANAGING SERVICE LEVEL OBJECTIVES FOR STORAGE WORKLOADS, identified by NetApp Inc. File No. P01-4486.02, the specification of which application was executed by us herewith; and

Whereas NetApp, Inc., whose address is 495 East Java Drive, Sunnyvale, CA 94089, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited:

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made;

and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

.....  
Date                      Neeraja Yadvadkar, Inventor

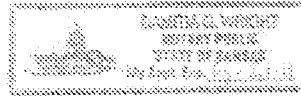
On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Neeraja Yadvadkar, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

.....  
Notary Public

Jan 14, 2011 Sai Rama Krishna

Date Sai Rama Krishna Susarla, Inventor

On this 14th day of JANUARY, 2011, before me appeared Sai Rama Krishna Susarla, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

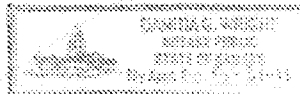


Notary Public

Jan 11, 2011 Kaladhar Voruganti

Date Kaladhar Voruganti, Inventor

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Kaladhar Voruganti, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Notary Public

.....  
Date Rukmi Annet Talwadekar, Inventor


On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Rukmi Annet Talwadekar, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

.....  
Notary Public

.....  
Date Vipul Mathur, Inventor

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Vipul Mathur, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

.....  
Notary Public

Yes 

Date Lakshmi Nanyam Bairasundaram, Inventor

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Lakshmi Nanyam Bairasundaram, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

\_\_\_\_\_  
Notary Public

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

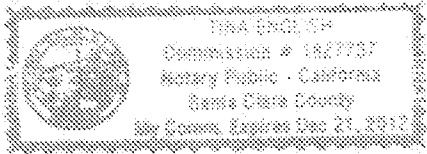
State of California

County of Santa Clara

On 1-26-2011 before me, Tina English, Notary Public

personally appeared Rajadurai Vengates  
Lakshmi Narayanan Ramesh Sundaram

who 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, intended the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature]

Notary Public Seal

**OPTIONAL**

Though this information below is not required by law, it may prove valuable to persons relying on the document and your prompt inclusion is recommended and a substitute of this form is another document.

**Description of Attached Document**

Title or Type of Document: PATENT

Document Dated: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer is Representing: \_\_\_\_\_



### ASSIGNMENT

Whereas We, Neeraja Yadavalkar, whose residence is Bangalore, Karnataka, India; Sai R. Sosaiah, whose residence is Bangalore, Karnataka, India; Kaladhar Venuganti, whose residence is San Jose, CA; Rukma A. Tatyadkor, whose residence is Bangalore, Karnataka, India; Vipul Mathur, whose residence is Bangalore, Karnataka, India; and Lakshmi Narayanan Balrivasundaram, whose residence is Sunnyvale, CA, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled MANAGING SERVICE LEVEL OBJECTIVES FOR STORAGE WORKLOADS, which was filed on January 28, 2011 as United States Application Number 13/016,898 (identified by NetApp Inc. File No. P01-4486.02), the specification of which application was executed by us herewith; and

Whereas NetApp, Inc., whose address is 495 East Java Drive, Sunnyvale, CA 94089, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed



PATENTS  
P01-4486.02  
NTAP, P0066

by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

04/02/2011      Neeraja

Date - **9 FEB 2011**  
Neeraja Yadwadkar, Inventor

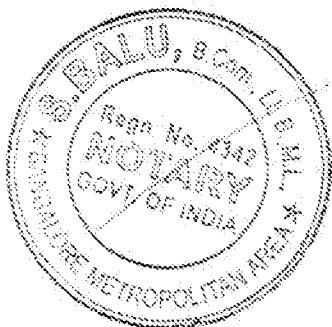
On this 09<sup>th</sup> day of Feb, 2011, before me appeared Neeraja Yadwadkar, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

*[Signature]*

Notary Public

**S. BALU**, Esq. B.A., B.L.,  
NOTARY  
GOVT OF INDIA  
Regn. No. 4342  
# 100 First Cross, 2nd Main Road  
4th 3rd Stage BANGALORE-560075

- 9 FEB 2011



**MY COMMISSION EXPIRES  
ON: 23-07-2012**

.....  
Date                      Sai Rama Krishna Susarla, Inventor

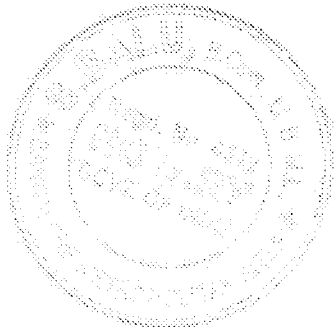
On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Sai Rama Krishna Susarla, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

.....  
Notary Public

.....  
Date                      Kaladhar Voruganti, Inventor

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me appeared Kaladhar Voruganti, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

.....  
Notary Public

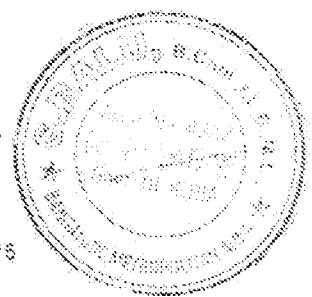


Feb 2, 2011      Talwadekar

Date      Rukma Ameer Talwadekar, Inventor

On this 2<sup>nd</sup> day of February, 2011, before me appeared Rukma Ameer Talwadekar, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

S. Balu  
Notary Public  
S. BALU, B.Com. ... B.M.L.  
NOTARY  
GOVT OF INDIA  
REGN. NO. 4342  
# 100, First Cross, 2nd Main Road  
HAI, 3rd Stage, BANGALORE CITY, 560075



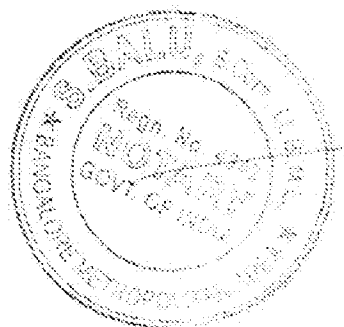
MY COMMISSION EXPIRES  
ON: 23-07-2012

Feb 1, 2011      Mathur

Date      Vipul Mathur, Inventor

On this 1 day of February, 2011, before me appeared Vipul Mathur, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

S. Balu  
Notary Public  
S. BALU, B.Com. ... B.M.L.  
NOTARY  
GOVT OF INDIA  
REGN. NO. 4342  
# 100, First Cross, 2nd Main Road  
HAI, 3rd Stage, BANGALORE CITY, 560075



9 FEB 2011

MY COMMISSION EXPIRES  
ON: 23-07-2012

PATENTS  
POL-448602  
NTAP, P0066

.....  
Date Lokshmi Narayanan Balrivasundaram, Inventor

On this \_\_\_\_\_ day of \_\_\_\_\_, 2015, before me appeared Lokshmi Narayanan Balrivasundaram, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

.....  
Notary Public

