

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2687879

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JOHN K. EDWARDS</td> <td>02/25/2010</td> </tr> <tr> <td>KEITH A. SMITH</td> <td>03/03/2010</td> </tr> <tr> <td>JIRI SCHINDLER</td> <td>03/03/2010</td> </tr> <tr> <td>STEVEN R. KLEIMAN</td> <td>03/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	JOHN K. EDWARDS	02/25/2010	KEITH A. SMITH	03/03/2010	JIRI SCHINDLER	03/03/2010	STEVEN R. KLEIMAN	03/04/2010
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>NETAPP, INC.</td> </tr> <tr> <td>Street Address:</td> <td>495 EAST JAVA DRIVE</td> </tr> <tr> <td>City:</td> <td>SUNNYVALE</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94089</td> </tr> </table>		Name:	NETAPP, INC.	Street Address:	495 EAST JAVA DRIVE	City:	SUNNYVALE	State/Country:	CALIFORNIA	Postal Code:	94089
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13863316</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13863316						
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Application Number:	13863316										
CORRESPONDENCE DATA											
Fax Number:	(650)838-4350										
Phone:	(650) 838-4300										
Email:	crystalfong@perkinscoie.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	PERKINS COIE LLP										
Address Line 1:	POX BOX 1208										
Address Line 4:	SEATTLE, WASHINGTON 98111-1208										
ATTORNEY DOCKET NUMBER:	067272-8241.US02										
NAME OF SUBMITTER:	VINOD V. NAMA										
Signature:	/Vinod V. Nama/										

Date:

01/17/2014

**Total Attachments: 7**

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## ASSIGNMENT BY INVENTORS

This Assignment is by John K. Edwards, Keith A. Smith; Jiri Schindler; and Steven R Kleiman (the "Assignors"), residing at Cambridge, MA; JAYAKA PLAIN, MA; and , respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled DYNAMIC BALANCING OF PERFORMANCE WITH BLOCK STORAGE SYSTEM (the "Application"), already filed on January 6, 2010 as U.S. Application No. 12/683,385

NetApp, Inc., a Corporation of Delaware having its principal place of business at 495 East Java Drive, Sunnyvale, California 94089 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to, the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts

*John K. Edwards*

John K. Edwards

Date:

*July 25 2010*

United States of America )

State of )

County of )

ss.:

*See attached*

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came John K. Edwards, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

*Keith A. Smith*  
\_\_\_\_\_  
Keith A. Smith

Date: March 3 2010  
\_\_\_\_\_

United States of America )  
State of Massachusetts ) ss.,  
County of Worcester )  
\_\_\_\_\_ )

On this 2 day of March, 2010, before me personally came Keith A. Smith, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*[Signature]*  
\_\_\_\_\_  
Notary Public


  
\_\_\_\_\_  
Jiri Schindler

Date: 3/3/2010  
\_\_\_\_\_

United States of America )  
State of MISSISSIPPI ) ss.;  
County of Jefferson )  
\_\_\_\_\_ )

On this 3 day of March, 2010, before me  
personally came Jiri Schindler, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same

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

  
\_\_\_\_\_  
Steven R. Kleiman

Date: 2/4/10

United States of America )  
State of \_\_\_\_\_ ) ss  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Steven R. Kleiman, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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

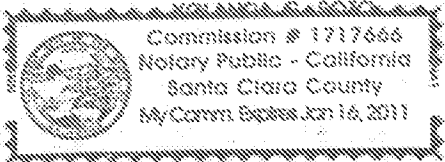
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara

On Feb 25 2011 before me, Yolanda \_\_\_\_\_  
Notary Public - California

personally appeared Mr Kenneth Edwards \_\_\_\_\_  
Notary Public - California



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/s) subscribed to the within instrument and acknowledged to me that (s/he/they) executed the same in her/his/their authorized capacity(ies), and that by (s/he/their) signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed 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: Yolanda \_\_\_\_\_  
Notary Public - California

Please Print or Type Name and Title of Signer(s)

**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: 901-6219

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

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

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

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

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

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

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

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

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



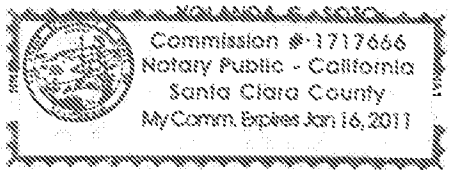
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara

On March 4, 2010 before me, Yolanda G. S. Roman, J.D.  
Here Insert Name and Title of Notary

personally appeared Steven Z. Kleiman  
(Name(s) of Signer(s))



who proved to me on the basis of satisfactory evidence to be the person whose name(s) is/ she/ he/ it subscribed to the within instrument and acknowledged to me that he/ she/ it/ they executed the same in his/ her/ its/ their authorized capacity(ies), and that by his/ her/ its/ their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed 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 Yolanda G. S. Roman, J.D.  
(Signature of Notary Public)

Place Notary Seal Above

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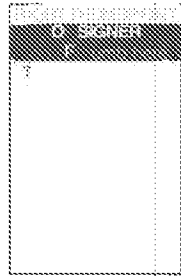
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Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

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

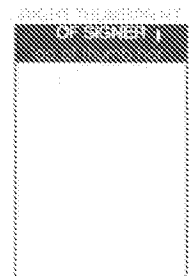
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  - Other: \_\_\_\_\_



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