

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Sandeep Yadav</td><td>02/25/2009</td></tr><tr><td>Subramanian Periyagaram</td><td>02/25/2009</td></tr></tbody></table>	Name	Execution Date	Sandeep Yadav	02/25/2009	Subramanian Periyagaram	02/25/2009					
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Subramanian Periyagaram	02/25/2009										
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>12394002</td></tr></tbody></table>	Property Type	Number	Application Number:	12394002							
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Application Number:	12394002										
CORRESPONDENCE DATA											
Fax Number: (206)359-4970 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email: psher@perkinscoie.com											
Correspondent Name: Perkins Coie LLP											
Address Line 1: 1201 Third Avenue, Suite 4800											
Address Line 4: Seattle, WASHINGTON 98101-3099											
NAME OF SUBMITTER:	Judy M. Kadoura										
Total Attachments: 5 source=assgt#page1.tif source=assgt#page2.tif source=assgt#page3.tif source=assgt#page4.tif source=assgt#page5.tif											

OP \$40.00 12394002

ASSIGNMENT BY INVENTOR

This Assignment is by Sandeep Yadav (the "Assignor"), residing in Sunnyvale, California. The Assignor has invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled USE OF PREDEFINED BLOCK POINTERS TO REDUCE DUPLICATE STORAGE OF CERTAIN DATA IN A STORAGE SUBSYSTEM OF A STORAGE SERVER (the "Application"), executed concurrently herewith and naming the Assignor as inventor. The Assignor authorizes the Assignee, identified below, or its representative to insert the application number of the Application 12/394,002 when known.

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 Assignor acknowledges, Assignor hereby sells, assigns, and transfers 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"). Assignor warrants that Assignor owns the Rights, and that the Rights are unencumbered. Assignor also agrees 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. Assignor requests 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.

Syadav

Sandeep Yadav

State of _____)
County of _____) ss.
County of _____)

On _____, before me, _____, personally
appeared Sandeep Yadav

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, executed the instrument.

WITNESS my hand and official seal.

See attached

ASSIGNMENT BY INVENTOR

This Assignment is by Subramanian Periyagaram (the "Assignor"), residing in Sunnyvale, California. The Assignor has invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled USE OF PREDEFINED BLOCK POINTERS TO REDUCE DUPLICATE STORAGE OF CERTAIN DATA IN A STORAGE SUBSYSTEM OF A STORAGE SERVER (the "Application"), executed concurrently herewith and naming the Assignor as inventor. The Assignor authorizes the Assignee, identified below, or its representative to insert the application number of the Application 12/394,002 when known.

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 Assignor acknowledges, Assignor hereby sells, assigns, and transfers 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"). Assignor warrants that Assignor owns the Rights, and that the Rights are unencumbered. Assignor also agrees 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. Assignor requests 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.



Subramanian Periyagaram


State of _____)
County of _____) ss.
_____)

On 2/24/2009, before me, _____, personally
appeared Subramanian Periyagaram

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, executed the instrument.

WITNESS my hand and official seal.

See attached

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Santa Clara

On Feb. 25, 2009 before me,

Date

Yolanda G. Soto Notary Public

Here Insert Name and Title of the Officer

personally appeared

Subramanian Venkaraman Periyagaram

Name(s) of Signer(s)

and Sandeep Yadav

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, 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.

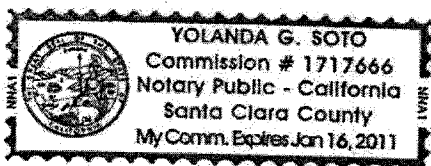
WITNESS my hand and official seal.

Signature

Yolanda G. Soto Notary Public

Signature of Notary Public

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:

Pol-5383

Document Date:

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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:

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

Signer's Name:

☐ Individual

☐ Corporate Officer — Title(s):

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other:

Signer Is Representing:

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

PATENT

RECORDED: 02/27/2009

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