

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2696470

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>DEAN KALMAN</td> <td>01/22/2014</td> </tr> <tr> <td>JOSEPH SUNDAY</td> <td>01/22/2014</td> </tr> </tbody> </table>		Name	Execution Date	DEAN KALMAN	01/22/2014	JOSEPH SUNDAY	01/22/2014				
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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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CORRESPONDENCE DATA											
<p>Fax Number: (412)202-5017          Phone: 609-270-5066          Email: mschrader@kdbfirm.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>          Correspondent Name: KACVINSKY DAISAK BLUNI PLLC          Address Line 1: 3120 PRINCETON PIKE          Address Line 2: SUITE 303          Address Line 4: LAWRENCEVILLE, NEW JERSEY 08648</p>											
ATTORNEY DOCKET NUMBER:	2100P0110113										
NAME OF SUBMITTER:	MELISSA SCHRADER										
Signature:	/Melissa Schrader/										
Date:	01/24/2014										
<p>Total Attachments: 3          source=2100P0110113_Executed_Assignment#page1.tif          source=2100P0110113_Executed_Assignment#page2.tif          source=2100P0110113_Executed_Assignment#page3.tif</p>											

PATENT

**ASSIGNMENT**

Whereas We, the undersigned Inventors, have made certain inventions or discoveries (or both) set forth in United States patent application entitled PATH MANAGEMENT TECHNIQUES FOR STORAGE NETWORKS, identified by NetApp, Inc. File No. P01-10113.01.US.PRI, and have executed a declaration or oath for said United States patent application disclosing and identifying the invention:

said declaration or oath executed herewith; and/or filed under Application

Serial No. 14/163,074, on January 24, 2014

Whereas NetApp, Inc., a Delaware corporation 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 on the dates indicated below.

1/22/2014

Date

*Dean Kalman*

Dean Kalman, Inventor

Residence: 133 Loch Pointe Drive  
Cary, NC 27518

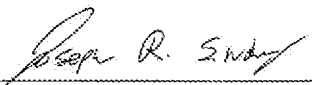
Date

Joseph Sunday, Inventor

Residence: 117 Grindstone Drive  
Apex, NC 27502

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.

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