

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2655889

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>SUBRAMANIAM PERIYAGARAM</td> <td>08/12/2011</td> </tr> <tr> <td>BLAKE LEWIS</td> <td>08/17/2011</td> </tr> <tr> <td>RICKARD E. FAITH</td> <td>08/01/2011</td> </tr> <tr> <td>ASHISH PRAKASH</td> <td>08/17/2011</td> </tr> <tr> <td>RAM KESAVAN</td> <td>08/17/2011</td> </tr> <tr> <td>ANANTHAN SUBRAMANIAN</td> <td>08/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	SUBRAMANIAM PERIYAGARAM	08/12/2011	BLAKE LEWIS	08/17/2011	RICKARD E. FAITH	08/01/2011	ASHISH PRAKASH	08/17/2011	RAM KESAVAN	08/17/2011	ANANTHAN SUBRAMANIAN	08/17/2011
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ASHISH PRAKASH	08/17/2011														
RAM KESAVAN	08/17/2011														
ANANTHAN SUBRAMANIAN	08/17/2011														
RECEIVING PARTY DATA															
Name:	NETAPP, INC.														
Street Address:	495 E. JAVA DRIVE														
City:	SUNNYVALE														
State/Country:	CALIFORNIA														
Postal Code:	94085														
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>13165631</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13165631										
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Application Number:	13165631														
CORRESPONDENCE DATA															
Fax Number:	(408)720-8383														
Phone:	4087208300														
Email:	sue_holloway@bstz.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	SHERYL SUE HOLLOWAY														
Address Line 1:	1279 OAKMEAD PARKWAY														
Address Line 4:	SUNNYVALE, CALIFORNIA 94085														
ATTORNEY DOCKET NUMBER:	5693P499														
NAME OF SUBMITTER:	SHERYL SUE HOLLOWAY														

CH \$40.00 13165631

Signature:	/sheryl sue holloway/
Date:	12/19/2013
Total Attachments: 4 source=p499#page1.tif source=p499#page2.tif source=p499#page3.tif source=p499#page4.tif	

**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.: 5693P499

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Subramaniam Periyagaram, Sandeep Yadav, Blake Lewis, Rickard E. Faith, Ashish Prakash, Ram Kesavan, and Ananthan Subramanian hereby sell, assign, and transfer to NetApp, Inc.

a corporation of Delaware  
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at 495 East Java Drive, Sunnyvale, CA 94089

("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 or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

DEDUPLICATION IN AN EXTENT-BASED ARCHITECTURE

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 13/165,631 filed June 21, 2011

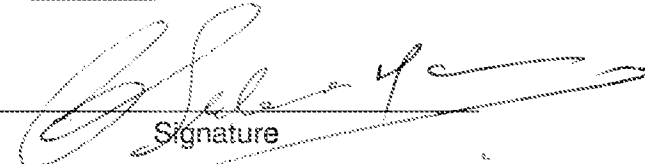
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, 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 or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or

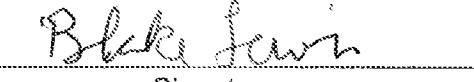
~~improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and~~

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:**

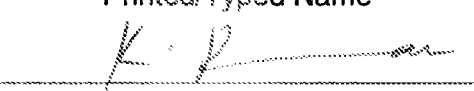
8/10/, 2011  
Date  
  
Signature  
Subramaniam Periyagaram  
Printed/Typed Name

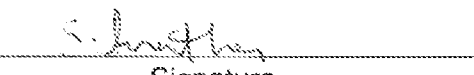
\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Sandeep Yadav  
Printed/Typed Name

8/17, 2011  
Date  
  
Signature  
Blake Lewis  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Rickard E. Faith  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Ashish Prakash  
Printed/Typed Name

8/17, 2011  
Date  
  
Signature  
Ram Kesavan  
Printed/Typed Name

Aug 17, 2011  
Date  
  
Signature  
Ananthan Subramanian  
Printed/Typed Name

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\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Subramaniam Periyagaram  
Printed/Typed Name

\_\_\_\_\_, 2011  
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\_\_\_\_\_  
Signature  
Sandeep Yadav  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Blake Lewis  
Printed/Typed Name

1 AUGUST, 2011  
Date  
Richard E. Faith  
Signature  
Rickard E. Faith  
Printed/Typed Name

Shauntae R. Bowles  
Shauntae R. Bowles  
SHAUNTAE R. BOWLES  
Notary Public, North Carolina  
Wake County  
My Commission Expires  
09/24/2010

\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Ashish Prakash  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Ram Kesavan  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date  
\_\_\_\_\_  
Signature  
Ananthan Subramanian  
Printed/Typed Name

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, CA 90025-1030  
(408) 720-8300

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\_\_\_\_\_, 2011  
Date Signature

Blake Lewis  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date Signature

Rickard E. Falth  
Printed/Typed Name

August 9<sup>th</sup>, 2011  
Date Signature

Ashish Prakash  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date Signature

Ram Kesavan  
Printed/Typed Name

\_\_\_\_\_, 2011  
Date Signature

Ananthan Subramanian  
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