PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4482355

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
SRISHYLAM SIMHARAJAN	04/28/2017
RAJ LALSANGI	04/26/2017
SRIKUMAR NATARAJAN	04/28/2017
ANUREITA RAO	04/26/2017

RECEIVING PARTY DATA

Name:	NETAPP, INC.	
Street Address:	495 EAST JAVA DRIVE	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94089	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15607340

CORRESPONDENCE DATA

Fax Number: (202)585-8080

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.

Phone: 202-585-8000

Email: NPPatent@nixonpeabody.com, jallen@nixonpeabody.com

NIXON PEABODY, LLP **Correspondent Name:** 799 9TH STREET, NW Address Line 1:

Address Line 2: SUITE 500

Address Line 4: WASHINGTON, D.C. 20001-4501

ATTORNEY DOCKET NUMBER: 072030-155000	
NAME OF SUBMITTER:	KHALED SHAMI
SIGNATURE:	/Khaled Shami/
DATE SIGNED:	06/28/2017

Total Attachments: 8

source=Assignment Documents#page1.tif source=Assignment Documents#page2.tif

> **PATENT** REEL: 042851 FRAME: 0374 504435654

PATENT REEL: 042851 FRAME: 0375

ASSIGNMENT BY INVENTORS

This Assignment is by Srishylam SIMHARAJAN, Raj LALSANGI, Srikumar NATARAJAN, and Anureita RAO (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention") described in a Patent application for Letters Patent of the United States entitled "APPLICATION AWARE MANAGEMENT IN A NETWORK STORAGE SYSTEM", (the "Application"), filed May 26, 2017 as U.S. Application No. 15/607,340. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application 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 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.

Date: Apr 28, 2017	Signature:	Grishylam Simharajan (Apr 28, 2017) Srishylam SIMHARAJAN
Date:	Signature:	Raj LALSANGI
Date:	Signature:	Srikumar NATARAJAN
Date:	Signature:	Anureita RAO

ASSIGNMENT BY INVENTORS

This Assignment is by Srishylam SIMHARAJAN, Raj LALSANGI, Srikumar NATARAJAN, and Anureita RAO (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention") described in a Patent application for Letters Patent of the United States entitled "APPLICATION AWARE MANAGEMENT IN A NETWORK STORAGE SYSTEM", (the "Application"), filed May 26, 2017 as U.S. Application No. 15/607,340. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application 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 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.

Date:	Signature:	
	Srishylam SIMHARAJAN	
Date: Apr 26, 2017	Raj Latsaugi Signature: Parkalania (Apriza Jao17)	
	Raj LALSANGI	
Date:	Signature:	
	Srikumar NATARAJAN	
Date:	Signature:	
	Anureita RAO	

ASSIGNMENT BY INVENTORS

This Assignment is by Srishylam SIMHARAJAN, Raj LALSANGI, Srikumar NATARAJAN, and Anureita RAO (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention") described in a Patent application for Letters Patent of the United States entitled "APPLICATION AWARE MANAGEMENT IN A NETWORK STORAGE SYSTEM", (the "Application"), filed May 26, 2017 as U.S. Application No. 15/607,340. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application 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 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.

Date:		Signature:	
		_	Srishylam SIMHARAJAN
Date:		Signature:	
			Raj LALSANGI
Date:	Apr 28, 2017	Signature:	<u>Shikunah Matahajan</u> ukumen Netemben (Apr 28, 2017)
			Srikumar NATARAJAN
Date:		Signature:	
			Anureita RAO

ASSIGNMENT BY INVENTORS

This Assignment is by Srishylam SIMHARAJAN, Raj LALSANGI, Srikumar NATARAJAN, and Anureita RAO (the "Assignors"). The Assignors have invented one or more certain inventions (the "Invention") described in a Patent application for Letters Patent of the United States entitled "APPLICATION AWARE MANAGEMENT IN A NETWORK STORAGE SYSTEM", (the "Application"), filed May 26, 2017 as U.S. Application No. 15/607,340. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application 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 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.

Date:	Signature:	
		Srishylam SIMHARAJAN
Date:	Signature:	
	_	Raj LALSANGI
Date:	Signature:	
		Srikumar NATARAJAN
Date: Apr 26, 2017	Signature:	Anuxeita Rao. Anureka Reo. (Apr. 28, 2017)
·		Anureita RAO