

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6736014

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                           |
| <b>CONVEYING PARTY DATA</b>   |                                      |
| <b>Name</b>   | <b>Execution Date</b>                |
| BILL ZUMACH   | 02/17/2021                           |
| KEITH BARE  | 03/08/2021                           |
| XIN WANG  | 03/29/2021                           |
| <b>RECEIVING PARTY DATA</b>   |                                      |
| <b>Name:</b>  | NETAPP, INC.                         |
| <b>Street Address:</b>  | 1395 CROSSMAN AVE.                   |
| <b>City:</b>  | SUNNYVALE                            |
| <b>State/Country:</b>   | CALIFORNIA                           |
| <b>Postal Code:</b>   | 94089                                |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                      |
| <b>Property Type</b>  | <b>Number</b>                        |
| <b>Application Number:</b>  | 17217485                             |
| <b>CORRESPONDENCE DATA</b>  |                                      |
| <b>Fax Number:</b>  |                                      |
| <i>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.</i> |                                      |
| <b>Phone:</b>   | 5852702100                           |
| <b>Email:</b>   | cindy.sylvester@troutman.com         |
| <b>Correspondent Name:</b>  | TROUTMAN PEPPER HAMILTON SANDERS LLP |
| <b>Address Line 1:</b>  | 70 LINDEN OAKS                       |
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| <b>Address Line 4:</b>  | ROCHESTER, NEW YORK 14625            |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 147379.003930                        |
| <b>NAME OF SUBMITTER:</b>   | CINDY SYLVESTER                      |
| <b>SIGNATURE:</b>   | /CINDY SYLVESTER/                    |
| <b>DATE SIGNED:</b>   | 05/28/2021                           |
| <b>Total Attachments: 3</b>   |                                      |
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| source=20210528_Assignment_147379_003930#page2.tif  |                                      |
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ASSIGNMENT

WE, Bill Zumach, Keith Bare, and Xin Wang ("ASSIGNOR(S)"), have invented subject matter ("INVENTION(S)") disclosed and/or claimed in a patent application entitled METHODS FOR FACILITATING EFFICIENT FILE SYSTEM DIRECTORY ANALYTICS AND DEVICES THEREOF ("PATENT APPLICATION"), which:

- will be filed without this executed assignment. ASSIGNOR(S) hereby authorize the legal representatives for ASSIGNEE, of Troutman Pepper Hamilton Sanders LLP, 70 Linden Oaks, Suite 210, Rochester, New York 14625, who are associated with customer number 119915, to insert here in parenthesis the PATENT APPLICATION's serial number and filing date, when known (U.S. App. Serial No. 17/217,485, filed on March 30, 2021);
- was filed as U.S. App. Serial No. \_\_\_\_\_ on \_\_\_\_\_;
- is filed concurrently herewith;

NetApp, Inc., with its principal place of business at 1395 Crossman Ave, Sunnyvale, CA 94089, on behalf of itself and its legal successors and assigns ("ASSIGNEE"), is entitled to acquire, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION(S), the PATENT APPLICATION, and all patent applications and patents derived from the INVENTION(S), such as but not limited to continuing applications, divisional applications, and reissue applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR(S), the ASSIGNOR(S) hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title, and interest in the INVENTION(S), the PATENT APPLICATION, and the APPLICATION DERIVATIVES, and expressly disclaim any rights to royalties, payments, or additional consideration;

ASSIGNOR(S) agree to execute all instruments and documents required for making, prosecuting, and/or litigating the APPLICATION and the APPLICATION DERIVATIVES and for the purpose of protecting and perfecting title to the PATENT APPLICATION and APPLICATION DERIVATIVES.

February 17, 2021  
\_\_\_\_\_  
DATE

Bill Zumach  
/ Bill Zumach (Feb 17, 2021 10:42 EST) /  
\_\_\_\_\_  
Bill Zumach

ASSIGNMENT

March 8, 2021  
DATE

*Keith Bare*  
/ Keith Bare (Mar 8, 2021 18:24 EST) /  
Keith Bare

DATE

/ /  
Xin Wang

**ASSIGNMENT**

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
DATE Keith Bare

March 29, 2021  
\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
DATE *Xin Wang*  
Xin Wang