

## PATENT ASSIGNMENT COVER SHEET

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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> |
|                                                                                                                                                                                                 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | 10/27/2015            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                           |                       |
| <b>Name:</b>                                                                                                                                                                                    | Hewlett Packard Enterprise Development LP |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 11445 Compaq Center Drive West            |                       |
| <b>City:</b>                                                                                                                                                                                    | Houston                                   |                       |
| <b>State/Country:</b>                                                                                                                                                                           | TEXAS                                     |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 77070                                     |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                           |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>                      | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:                       | 15550806              |
| <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>                                                                                                                                                                                   | (970) 898-7444                            |                       |
| <b>Email:</b>                                                                                                                                                                                   | hpe.ip.mail@hpe.com                       |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | HEWLETT PACKARD ENTERPRISE                |                       |
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| <b>Address Line 4:</b>                                                                                                                                                                          | FORT COLLINS, COLORADO 80528              |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 90472082                                  |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | LAURA M. ZAVALA                           |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Laura M. Zavala/                         |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 08/14/2017                                |                       |
| <b>Total Attachments: 3</b>                                                                                                                                                                     |                                           |                       |
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PATENT ASSIGNMENT Hewlett-Packard Development Company, L.P. TO  
Hewlett Packard Enterprise Development LP

**PATENT ASSIGNMENT**  
**FROM**  
**Hewlett-Packard Development Company, L.P.**  
**TO**  
**Hewlett Packard Enterprise Development LP**

This Patent Assignment, together with the attached Schedule A, is effective as of October 2, 2015.

WHEREAS, **Hewlett-Packard Development Company, L.P.**, a limited partnership established under the laws of the State of Texas and having a principal place of business at 11445 Compaq Center Drive West, Houston, Texas 77070, U.S .A. (hereinafter referred to as "Assignor"), is the legal title holder of the patents and patent applications identified in the attached Schedule A (collectively referred to as "Assigned Patents and Patent Applications");

WHEREAS, **Hewlett Packard Enterprise Development LP**, a limited partnership established under the laws of the State of Texas and having a principal place of business at 11445 Compaq Center Drive West, Houston, Texas 77070, U.S .A. (hereinafter referred to as "Assignee") desires to acquire Assignor's entire right, title and interest, including the right of priority, in, to and under the Assigned Patents and Patent Applications; and

NOW THEREFORE, for good and valuable consideration, the adequacy of which is hereby acknowledged, Assignor and Assignee agree as follows:

Assignor hereby assigns, transfers, conveys and delivers to Assignee the entirety of Assignor's right, title and interest, including without limitation the right of priority, in, to and under the Assigned Patents and Patent Applications, and any inventions and improvements set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for any of the Assigned Patents and Patent Applications, and any and all patents and patent applications of the United States and of foreign countries thereto that may be granted thereon or therefor, and any reissues, or reexaminations, or extensions thereof and any goodwill of the business symbolized by the Assigned Patents and Patent Applications, and the registration thereof. Assignee shall have the right to sue, counterclaim and recover for past, present, and future

PATENT ASSIGNMENT Hewlett-Packard Development Company, L.P. TO  
Hewlett Packard Enterprise Development LP

infringement and collect any royalties to third parties, damages (including past damages), or other income relating to the Assigned Patents and Patent Applications.

In connection with the foregoing, Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to record the transfer of the Assigned Patents to Assignee as assignee of Assignor's right, title and interest therein, and to issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their authorized representatives.

**FOR HEWLETT-PACKARD DEVELOPMENT  
COMPANY, L.P.**

By: HPQ Holdings, LLC, its General Partner

DocuSigned by:  
By: Robert Wasson  
Signature 3BF673837B481...

Robert D. Wasson  
Name

Chief Patent Counsel  
Title

October 27, 2015  
Date

**FOR HEWLETT PACKARD  
ENTERPRISE DEVELOPMENT LP**

By: Enterprise DC Holdings LLC, its General  
Partner

DocuSigned by:  
By: Curtis G. Rose  
Signature 016629078F4D3...

Curtis G. Rose  
Name

Chief Intellectual Property Counsel  
Title

October 27, 2015  
Date

## Schedule A of Patent Assignment

| HP Record ID | Status      | Patent Number | Filing Date | Grant Date | Application Number | CC  | Title                                                                  |
|--------------|-------------|---------------|-------------|------------|--------------------|-----|------------------------------------------------------------------------|
| 83953341     | Application |               | 6/30/2014   |            | PCT/US2014/044814  | PCT | IDENTIFYING FEASIBLE PRODUCT CONFIGURATIONS FOR CONSUMERS              |
| 83748736     | Application |               | 4/21/2014   |            | PCT/US2014/034842  | PCT | MAGNETIZATION MAP OF A STORAGE MEDIUM                                  |
| 83748750     | Application |               | 4/28/2014   |            | PCT/US2014/035719  | PCT | STORAGE MANAGEMENT                                                     |
| 83953387     | Application |               | 7/10/2014   |            | PCT/US2014/046082  | PCT | Archive File                                                           |
| 83819049     | Application |               | 9/23/2014   |            | PCT/US2014/057070  | PCT | SECURING DATA IN A FILE SYSTEM                                         |
| 83819069     | Application |               | 7/24/2014   |            | PCT/US2014/048005  | PCT | Journal Events In A File System And A Database                         |
| 83825670     | Application |               | 8/15/2014   |            | PCT/US2014/051187  | PCT | THREE PHASE COMMIT FOR A DISTRIBUTED FILE SYSTEM                       |
| 84107364     | Application |               | 1/15/2015   |            | PCT/US2015/011540  | PCT | DATA MANAGEMENT FOR TENANTS                                            |
| 84113335     | Application |               | 1/30/2015   |            | PCT/US2015/013797  | PCT | Dynamically Inheritable Attribute                                      |
| 84212645     | Application |               | 4/24/2015   |            | PCT/US2015/027422  | PCT | POLICY AND CONFIGURATION DATA FOR A USER DIRECTORY                     |
| 84222025     | Application |               | 4/21/2015   |            | PCT/US2015/026898  | PCT | File Level Snapshots In A File System                                  |
| 90035162     | To Be Filed |               |             |            | PCT                |     | PIP-OBJ Content driven real time analytics data and index flow         |
| 83954363     | Application |               | 7/22/2014   |            | PCT/US2014/047584  | PCT | GRADING INFORMATION TECHNOLOGY INFRASTRUCTURES                         |
| 84172811     | Application |               | 3/24/2015   |            | PCT/US2015/022111  | PCT | CONTEXT-BASED FEATURE MANAGEMENT                                       |
| 83200413     | Published   |               | 6/28/2013   |            | PCT/US2013/048422  | PCT | LEVER UNIT                                                             |
| 83206908     | Published   |               | 4/4/2014    |            | PCT/US2013/046141  | PCT | GUIDE SEGMENT IDENTIFICATION                                           |
| 83216274     | Published   |               | 4/3/2013    |            | PCT/US2013/035163  | PCT | Managing Firmware Updates                                              |
| 83268671     | Published   |               | 6/25/2013   |            | PCT/US2013/047483  | PCT | UNINTERRUPTIBLE POWER SUPPLY WITH INVERTER, CHARGER, AND ACTIVE FILTER |
| 83268697     | Published   |               | 8/29/2013   |            | PCT/US2013/057225  | PCT | ERROR DISPLAY MODULE                                                   |
| 83597959     | Application |               | 11/1/2013   |            | PCT/US2013/067915  | PCT | TOP LOADING CARTRIDGE                                                  |
| 83738454     | Application |               | 1/30/2014   |            | PCT/US2014/013806  | PCT | MOUNTING DEVICE                                                        |
| 83957340     | Application |               | 7/31/2014   |            | PCT/US2014/049109  | PCT | NEXT GENERATION FORM FACTOR CONNECTOR                                  |
| 84028944     | Application |               | 8/29/2014   |            | PCT/US2014/053383  | PCT | THERMAL MANAGEMENT DOOR ASSEMBLY                                       |
| 84049740     | Application |               | 9/24/2014   |            | PCT/US2014/057165  | PCT | HEAT SINK WITH A LOAD SPREADING BAR                                    |
| 84051503     | Application |               | 9/26/2014   |            | PCT/US2014/057856  | PCT | Receptacle for connection a multi-lane or one-lane cable               |
| 84113670     | Application |               | 2/20/2015   |            | PCT/US2015/016952  | PCT | EXTERNALLY ACCESSIBLE REPLACEABLE POWER SOURCE                         |
| 84114795     | Application |               | 1/20/2015   |            | PCT/US2015/012009  | PCT | Latch Assembly for a Computing Device                                  |
| 84143471     | Application |               | 2/18/2015   |            | PCT/US2015/016283  | PCT | PULL-TABS FOR DISENGAGING A CABLE ASSEMBLY FROM A RECEPTACLE           |
| 84155645     | Application |               | 2/27/2015   |            | PCT/US2015/017970  | PCT | FEATURES TO CONJOIN ONE-LANE CABLE ASSEMBLIES                          |
| 84169880     | Application |               | 4/24/2015   |            | PCT/US2015/027571  | PCT | CABLE TRACK                                                            |
| 84173106     | Application |               | 4/24/2015   |            | PCT/US2015/027578  | PCT | FIRST AND SECOND MEMBERS TO SECURE DEVICES                             |
| 84263064     | Application |               | 8/27/2015   |            | PCT/US2015/047220  | PCT | NETWORK CABLE MANAGEMENT ARM                                           |
| 90031080     | To Be Filed |               |             |            |                    | PCT | FIPS Compliant Louver                                                  |

PATENT

RECORDED: 08/14/2017

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