

<b>PATENT ASSIGNMENT COVER SHEET</b>
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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>
<b>Application Number:</b>	15572253
<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
<b>Address Line 1:</b>	3404 E. HARMONY ROAD MS 79
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	90501900
<b>NAME OF SUBMITTER:</b>	LAURA M. ZAVALA
<b>SIGNATURE:</b>	/Laura M. Zavala/
<b>DATE SIGNED:</b>	11/08/2018
<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.**

**FOR HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP**

By: HPQ Holdings, LLC, its General Partner

By: Enterprise DC Holdings LLC, its General Partner

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

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

Robert D. Wasson  
Name

Curtis G. Rose  
Name

Chief Patent Counsel  
Title

Chief Intellectual Property Counsel  
Title

October 27, 2015  
Date

October 27, 2015  
Date

## Schedule A of Patent Assignment

HP Record ID	Status	Patent Number	Filing Date	Grant Date	Application Number	CC	Title
84260022	Application		7/31/2015		PCT/US2015/043176	PCT	HEAT EXCHANGERS
84262979	Application		7/30/2015		PCT/US2015/042882	PCT	Removable Module
90035280	Acknowledged					PCT	HPE Synergy 40 SFF Drive Module
90037942	To Be Filed					PCT	An extension holder for power cable in deep power cage
83271726	Published		7/30/2013		PCT/US2013/052635	PCT	RESOURCE MANAGEMENT BASED ON A PROCESS IDENTIFIER
83749123	Published		1/30/2014		PCT/US2014/013959	PCT	RACK CONTROL MODULE
83273375	Published		7/31/2013		PCT/US2013/053024	PCT	GENERATING WORKLOAD WINDOWS
83762940	Application		1/30/2014		PCT/US2014/013819	PCT	JOINT ENCRYPTION AND ERROR CORRECTION ENCODING
83766564	Application		3/26/2014		PCT/US2014/031907	PCT	NVM OBJECT
83775077	Published		2/24/2014		PCT/US2014/018073	PCT	REPURPOSABLE BUFFERS FOR TARGET PORT PROCESSING OF A DATA TRANSFER
83819608	Application		4/30/2014		PCT/US2014/036036	PCT	Storage System Bandwidth Adjustment
83958102	Application		7/1/2014		PCT/US2014/045098	PCT	Estimating Circuit Board Characteristics
83958314	Application		7/24/2014		PCT/US2014/048001	PCT	Storing Metadata
84031541	Application		10/13/2014		PCT/US2014/060275	PCT	CONTROLLING ACCESS TO SECURE MEDIA CONTENT
84113894	Application		42111		PCT/US2015/026426	PCT	DATA BLOCK ADDRESS-GENERATED DATA TO TEST A DATA STORAGE DEVICE
84113914	Application		42034		PCT/US2015/014002	PCT	DETECTION OF CONNECTION TYPE
84170104	Application		4/30/2015		PCT/US2015/028543	PCT	CONFIGURATION OF A PERIPHERAL COMPONENT INTERCONNECT EXPRESS LINK
84260566	Application		8/12/2015		PCT/US2015/044806	PCT	HOST-STORAGE AUTHENTICATION
84261622	Application		7/31/2015		PCT/US2015/043319	PCT	DETERMINING POWER STATE SUPPORT
90016090	Application		8/13/2015		PCT/US2015/045127	PCT	STORAGE MANAGEMENT
83593460	Published		9/30/2013		PCT/US2013/062621	PCT	OPTICAL BLIND-MATE CONNECTOR AND ADAPTER
83749272	Published		1/30/2014		PCT/US2014/013736	PCT	SENDING A DATA FLOW
83776256	Published		1/30/2014		PCT/US2014/013816	PCT	MULTIPLE COMPUTE NODES
83957833	Application		5/30/2014		PCT/US2014/040302	PCT	SUPPORTING INPUT/OUTPUT (I/O) CONNECTIVITY FOR A PRINTED CIRCUIT ASSEMBLY (PCA) IN A HOT AISLE CABLING OR A COLD AISLE CABLING ARRANGEMENT
84030688	Application		10/30/2014		PCT/US2014/063169	PCT	SECURE TRANSACTIONS IN A MEMORY FABRIC
84170310	Application		4/30/2015		PCT/US2015/028619	PCT	REPLICATING DATA USING DUAL-PORT NON-VOLATILE DUAL IN-LINE MEMORY MODULES
84173015	Application		8/6/2015		PCT/US2015/044013	PCT	DIFFERENCE DATASETS
84264433	Application		6/4/2015		PCT/US2015/034283	PCT	LIGHT COLOR ADJUSTMENT OF A SERVER PANEL LIGHT
84113868	Application		2/27/2015		PCT/US2015/018137	PCT	CLOUD NETWORK MANAGEMENT
83102183	Published		1/31/2013		PCT/US2013/024176	PCT	NETWORK SWITCH STIMULATION
83138333	Published		8/7/2013		PCT/IN2013/000486	PCT	System State Message In Software Defined Networking

PATENT

RECORDED: 11/08/2018

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