

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	10/27/2015
RECEIVING PARTY DATA	
Name:	Hewlett Packard Enterprise Development LP
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State/Country:	TEXAS
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15500337
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NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	03/20/2017
Total Attachments: 3	
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source=90344903_Assignment#page3.tif	

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
Sig: F13BF673837B481...

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
Sig: 8C016629078F4D3...

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
83213240	Published		7/25/2013		PCT/US2013/052050	PCT	RESISTIVE MEMORY DEVICE HAVING FIELD ENHANCED FEATURES
83623504	Application		12/13/2013		PCT/US2013/074997	PCT	V-SHAPE RESISTIVE MEMORY ELEMENT
83763830	Published		1/30/2014		PCT/US2014/013957	PCT	NONLINEAR DIELECTRIC STACK CIRCUIT ELEMENT
83822699	Application		5/30/2014		PCT/US2014/040115	PCT	MEMORY CONTROLLERS
83953098	Application		7/30/2014		PCT/US2014/048800	PCT	CURRENT BEHAVIOR OF ELEMENTS
83957887	Application		7/28/2014		PCT/US2014/048448	PCT	MEMRISTOR CELL READ MARGIN ENHANCEMENT
84033121	Application		10/29/2014		PCT/US2014/062948	PCT	STORING A DISCRETE ANALOG SIGNAL
84111409	Application		1/30/2015		PCT/US2015/013724	PCT	COMPOSITE SELECTOR ELECTRODES
84111426	Application		3/30/2015		PCT/US2015/023270	PCT	MANUFACTURING MEMRISTORS
84111492	Application		1/9/2015		PCT/US2015/010828	PCT	SIDEWALL SPACERS
84111618	Application		4/20/2015		PCT/US2015/013327	PCT	MEMORY CELL WITH A MULTI-LAYERED SELECTOR
84114486	Application		1/26/2015		PCT/US2015/012898	PCT	RESISTIVE RANDOM ACCESS MEMORY (ReRAM) DEVICE
84265197	Application		4/22/14		PCT/US2015/042729	PCT	NON-VOLATILE RESISTANCE MEMORY DEVICES INCLUDING A VOLATILE SELECTOR WITH COPPER AND SILICON DIOXIDE
90034152	Acknowledged					PCT	High Performance and Low Power Neural Network Using Hybrid Synaptic Architecture
90037043	Application		9/25/2015		PCT/US2015/052262	PCT	CROSSBAR ARRAYS FOR CALCULATING MATRIX MULTIPLICATION
83140511	Published		1/18/2013		PCT/CN2013/070640	PCT	PREVENTING A MEMORY ATTACK TO A WIRELESS ACCESS POINT
83140548	Published		1/24/2013		PCT/CN2013/070918	PCT	LIMITING ACCESS TO SERVICE PROVIDERS BASED ON THE NETWORK TRAFFIC LOAD OF A WIRELESS ACCESS POINT
83209765	Published		8/9/2013		PCT/US2013/054254	PCT	SWITCH ASSEMBLY
83267332	Published		9/13/2013		PCT/US2013/059632	PCT	SUBCARRIER POWER REALLOCATION
83821019	Application		4/30/2014		PCT/US2014/036006	PCT	Practical CSI-based rate adaptation and prediction for wireless networks
83824680	Application		4/24/2014		PCT/US2014/035262	PCT	PLACING VIRTUAL MACHINES ON PHYSICAL HARDWARE TO GUARANTEE BANDWIDTH
83956115	Application		9/29/2014		PCT/CN2014/087773	PCT	Adaptive Split and Compression
83957993	Application		6/13/2014		PCT/US2014/042313	PCT	Motion-aware MCS adaptation for wireless networks
84109036	Application		11/14/2014		PCT/US2014/065819	PCT	DETERMINING A LOCATION OF A DEVICE
83763747	Published		1/24/2014		PCT/US2014/013059	PCT	OPTICAL MODULATION EMPLOYING HIGH CONTRAST GRATING LENS
83763804	Published		1/24/2014		PCT/US2014/012872	PCT	RING LASER OPTICAL SYSTEM
83763810	Published		1/31/2014		PCT/US2014/014015	PCT	INTERPOSER
8377398	Published		4/16/09		PCT/US2014/013769	PCT	OPTICAL MODULATION EMPLOYING FLUID MOVEMENT
83958531	Application		7/30/2014		PCT/US2014/048833	PCT	HYBRID MULTILAYER DEVICE