503932977 07/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3979631

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW R WHEELER	01/31/2014
BORIS ZUCKERMAN	01/31/2014
GREG ASTFALK	01/31/2014
RUSS W HERRELL	01/31/2014

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.
Street Address:	11445 Compaq Center Drive West
City:	Houston
State/Country:	TEXAS
Postal Code:	77070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15114427

CORRESPONDENCE DATA

Fax Number:

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: (970) 898-7444 **Email:** hpe.ip.mail@hp.com

Correspondent Name: HEWLETT PACKARD ENTERPRISE
Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90232486
NAME OF SUBMITTER:	JOANNA KEYT
SIGNATURE:	/JOANNA KEYT/
DATE SIGNED:	07/27/2016

Total Attachments: 4

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PATENT REEL: 039266 FRAME: 0069 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

known to them.

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PATENT APPLICATION

Mail Stop 35		RECORD ID:	83757753
Fort Collins, Colorado 80528			
		ATENT APPLICATION	
receipt of which is hereby ac DEVELOPMENT COMPANY, L Texas, (hereinafter HPDC), and	knowledged, and in furl .P., a Texas Limited Part to its subsidiaries and aff	therance of my/our oblig tnership having its princip filiates, to assign and tran	d and valuable consideration, the pations to HEWLETT-PACKARD all place of business in Houston sfer to HPDC, its successors and d under an application for Patent
UNIFYING MEMORY CONTRO	LLER		
Filing Date:	- Andrew Control of the Control of t	Application No.:	
and the invention(s) and improve divisionals, and renewals of and	ement(s) set forth therein, substitutes for said appli	and any and all continuation cation for said Patent, and	ons, continuations-in-part (C-I-P's) d any and all other Patent of any examinations, or extensions of said
by HPDC, its successors, assigns	s, nominees or legal repre- ed, reissued or extended,	sentatives, to the full end of as fully and entirely as the	ny country, to be held and enjoyed of the term or terms for which said same would have been held and
executed and will not execute any time a request is made, and without perfect the title to said invention(s) nominees or legal representatives said invention(s) or improvement(s) papers; to execute all disclaimers rightful oaths and declarations, ar	r agreement in conflict here ut undue delay, execute an) or improvement(s), said a , and I/we agree to commu- s), said application and sai s and divisionals, continua- nd generally to do everythi n and enforce, for its or the countries provided the ex-	ewith, and I/we further covered deliver all such papers as application and said Patent, unicate to HPDC, or to its nid Patent, to testify in any leations. C-I-P's, reissue anding possible to aid HPDC, ir own benefit, proper patent	its successors, assigns, nominees it protection for said invention(s) or
AND I/we hereby authorize a applications as aforesaid, to issue invention(s) or improvement(s) w accordance with the terms of this a	to HPDC, as assignee of thich may be issued and	the entire right, title and ir	
I/we further authorize and diapplication for Patent, now identifie			e and application number of said as the same shall have been made

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road	PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID: 83757753
ASSIGNMENT OF PATENT AF	1/31/2014
Inventor's Signature	Date
Greg Astfalk	·
Inventor's Typed Name	
Invested Cinetus	Date
Inventor's Signature	Date
Russ W Herrell Inventor's Typed Name	
Inventor's Signature	Date
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator

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	ave agreed and hareby agree, that fo ged, and in furtherance of my/our exas Limited Partnership having its p bsidiancs and affiliates, to assign and	or good and valuable consideration, the obligations to HEWLETT-PACKARD mincipal place of business in Houston, a transfer to HPDC, its successors and
UNIFYING MEMORY CONTROLLER		
Filing Date:	Application No.:	
and the invention(s) and improvement(s) divisionals, and renewals of and substitutionalist thereto which may be granted the Patent.	set forth therein, and any and all conf tes for said application for said Paten	inuations, continuations-in-part (C-I-P's), it, and any and all other Patent of any
I'we additionally authorize HPCC to fill by HPDC, its successors, assigns, nomine Patent respectively may be granted, reissignjoyed by me/us had this assignment, and	ses or legal representatives, to the full- ued or extended, as fully and entirely i	nt in any country, to be held and enjoyed end of the term or terms for which said as the same would have been held and
AND I/we hereby coveriant that I/we his oxecuted and will not execute any agreement time a request is made, and without undue partect the title to said invention(s) or improporting the title to said invention(s) or improvement(s), said a papers, to execute all disclaimers and directly that out its and declarations, and general and legal representatives to obtain and enformation and all countries cooperation and assistance are paid by HPI	ent in conflict herewith, and live further delay, execute and deliver all such pap ownment(s), said application and said P a gree to communicate to HPOC, or to application and said Patent, to testify in visionals, continuations, C-I-P's, reissually to do everything possible to aid HI orce, for its or their own benefit, proper provided the expenses which may to	vers as may be necessary or desirable to atent, to HPOC, its successors, assigns, ofts nominee, all known facts respecting any legal proceedings, to sign all fawful e and foreign applications, to make all POC, its successors, assigns, nominees patent protection for said invention(s) or
AND I/we hereby authorize and reque applications as aforesaid, to issue to HPD/invention(s) or improvement(s) which material accordance with the terms of this assignment.	C, as assignee of the entire right, title is y be assued and granted on or as a	
I/we further authorize and direct the application for Patent, now identified by the known to them.		g date and application number of said soon as the same shall have been made
IN WITNESS WHEREOF, I/we herewi	nto set my/our hand(s) and seal(s):	
- Anda R. Wills	<u> </u>	1/31/14
Inventor's Signature	Care	
Anthrew R Wheeler		
Inventor's Typed Name	287	× .

Inventor's Typed Name Rev tr 2013 (Assignment)

inventor's Signature

Bons Zuckerman

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

Inventor's Signature	
	Date
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Greg Astfalk	
Inventor's Typed Name	
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