504527729 08/31/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4574435

CONVEYING PARTY DATA

Name	Execution Date
SANKETH NALLI	01/30/2015
HARIS VOLOS	01/30/2015
KIMBERLY KEETON	01/30/2015

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.		
Street Address:	1445 Compaq Center Drive West		
City:	Houston		
State/Country:	TEXAS		
Postal Code:	77070		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15545901

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@hpe.com

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

ATTORNEY DOCKET NUMBER:	90468072
NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	08/31/2017

Total Attachments: 6

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RECORD ID:	84113815

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its nt

assigns, the entire right, ti entitled:				
ORDERING UPDATES FO	IR NONVOLATILE MEI	MORY ACCESSE	S	
Filing Date:		Applica	ition No.:	
and the invention(s) and in divisionals, and renewals o countries thereto which may Patent.	f and substitutes for sa	id application for s	said Patent, and any a	nd all other Patent of any
I/we additionally author by HPDC, its successors, a Patent respectively may be enjoyed by me/us had this a	ssigns, nominees or leg- granted, reissued or ext	al representatives, tended, as fully an	to the full end of the te	
executed and will not executime a request is made, and perfect the title to said invernominees or legal represent said invention(s) or improve papers, to execute all disclingtiful oaths and declarationand legal representatives to improvement(s) in any and cooperation and assistance AND I/we hereby author applications as aforesaid, to invention(s) or improvement	te any agreement in con- without undue delay, ex- partion(s) or improvement(s) atives, and I/we agree to ment(s), said application aimers and divisionals, ans, and generally to do obtain and enforce, for it I all countries provided are paid by HPDC; orize and request the off issue to HPDC, as assi- t(s) which may be issue	flict herewith, and I secute and deliver a communicate to F and said Patent, the continuations, C-I-everything possible is or their own beneficial of any country ignee of the entire	/we further covenant an Il such papers as may be and said Patent, to HPD IPDC, or to its nominee. to testify in any legal pro P's, reissue and foreign to aid HPDC, its successit, proper patent protect proper patent protect inch may be incurred to the or countries whose duright, title and interest,	e necessary or desirable to OC, its successors, assigns, all known facts respecting poeedings, to sign all lawful n applications, to make all ressors, assigns, nominees ction for said invention(s) or by me/us in lending such and it is to issue patents on any and all Patent for said
accordance with the terms of I/we further authorize application for Patent, now is known to them.	and direct the attorneys			application number of said ame shall have been made
IN WITNESS WHEREO	F, I/we hereunto set m	y/our hand(s) and	i seal(s):	
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Inventor's Signature	<u> </u>		Date	Marine Control
Arterial Control of the Control of t				
Sanketh	Nalli		-	
First/Middle Name	Last Name			
Inventor's Signature		* :	Date	
Haris	Volos			
First/Middle Name	Last Name		•	•
Rev 9/2014 (Assignment)		Page 1 of 2		

PATENT APPLICATION

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rt Collins, Colorado 80528	(COOKS ID)	

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date
Kimberly	Keeton	
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	

Page 2 of 2

Rev 8/2014 (Assignment)

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RECORD ID:	84113815
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged.

and in furtherance of my	//our obligations to HEV	VLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas business in Houston, Texas, (hereinafter HPDC), and to its
subsidiaries and affiliates,	agree to assign and tran	sfer and hereby assign and transfer to HPDC, its successors and g the right of priority, in, to and under an application for Patent
ORDERING UPDATES FO	OR NONVOLATILE MEN	ORY ACCESSES
Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for said	erein, and any and all continuations, continuations-in-part (C-I-P's), if application for said Patent, and any and all other Patent of any nerefore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, a	assigns, nominees or lega granted, reissued or exte	ons in my/our name for Patent in any country, to be held and enjoyed is representatives, to the full end of the term or terms for which said ended, as fully and entirely as the same would have been held and out been made;
executed and will not execu- time a request is made, and perfect the title to said inver- nominees or legal represen- said invention(s) or improve papers, to execute all disc rightful oaths and declarationand legal representatives to	Ite any agreement in confit without undue delay, exention(s) or improvement(s) tatives, and I/we agree to ement(s), said application daimers and divisionals, cons, and generally to do cottain and enforce, for its direct all countries provided	It to convey the entire interest herein assigned, and that I/we have not fict herewith, and I/we further covenant and agree that I/we will, each cute and deliver all such papers as may be necessary or desirable to , said application and said Patent, to HPDC, its successors, assigns, communicate to HPDC, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful continuations, C-t-P's, reissue and foreign applications, to make all everything possible to aid HPDC, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or the expenses which may be incurred by me/us in lending such
applications as aforesaid, to	o issue to HPDC, as assignt(s) which may be issue	cial of any country or countries whose duty it is to issue patents on pnee of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
		of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREC	JF, I/we hereunto set my	r/our hand(s) and seal(s):
Inventor's Signature		Date.
Sanketh	Nalli	
First/Middle Name	Last Name	1/23/2018
Inventor's Stynettire		Date /
Haris	Volos	
First/Middle Name	Last Name	

Page 1 of 2

PATENT APPLICATION

Mail Stop 35	RECORD ID:	84113815
fort Collins, Colorado 80528		

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date
Kimberly	Keeton	
First/Middle Name	Last Name	
Inventor's Signature		Date
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Inventor's Signature		Date
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Rev 8/2014 (Assignment) Page 2 of 2

PATENT	APPLI	CAT	ON

RECORD ID:	84113815

ASSIGNMENT OF PATENT APPLICATION

IAMs the undersigned (each) for good and valuable consideration, the receipt of which is hereby acknowledged.

and in furtherance of my/our	obligations to HEWLETT-	PACKARD DEVELOPMENT COMPANY, L.P., a Texas as in Houston, Texas, (hereinafter HPDC), and to its
subsidiaries and affiliates, agre	ie to assign and transfer an	d hereby assign and transfer to HPDC, its successors and ight of priority, in, to and under an application for Patent
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Filing Date:		Application No.:
divisionals, and renewals of ar	id substitutes for said applic	and any and all continuations, continuations-in-part (C-L-P's), ation for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assig	ns, nominees or legal repre- nted, reissued or extended,	ry/our name for Patent in any country, to be held and enjoyed entatives, to the full end of the term or terms for which said as fully and entirely as the same would have been held and made;
executed and will not execute a time a request is made, and with perfect the title to said invention nominees or legal representative said invention(s) or improvement papers, to execute all disclaiment rightful caths and declarations, and legal representatives to obt	ny agreement in conflict here nout undire delay, execute ar (s) or improvement(s), said a se, and I/we agree to comm. (i(s), said application and sai ers and divisionals, continua and generally to do everyth ain and enforce, for its or the I countries provided the ex	vey the entire interest herein assigned, and that I/we have not with, and I/we further covenant and agree that I/we will, each dideliver all such papers as may be necessary or desirable to pplication and said Patent, to HPDC, its successors, assigns, nicate to HPDC, or to its nominee, all known facts respecting different to testify in any legal proceedings, to sign all lewful dions, C-I-P's, reissue and foreign applications, to make all nig possible to aid HPDC, its successors, assigns, nominees in own benefit, proper patent protection for said invention(s) or beneses which may be incurred by me/us in lending such
applications as aforesaid to iss	ue to HPDC, as assignee of which may be Issued and	iny country or countries whose duty it is to issue patents on the entire right, title and interest, any and all Patent for said granted on or as a result of the application aforesaid, in
I/we further authorize and application for Patent, now iden known to them.	direct the attorneys of recuitied by the Record ID and tit	urd to insert the filing date and application number of said e set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I	/we hereunto set my/our h	and(s) and seal(s):
		886
Inventor's Signature		Date
Sanketh	Nalli	
First/Middle Name	Lost Name	
inventor's Signature		Cate
Haris	Volos	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)	Page	1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

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Inventor's Signature/		Date /
Kimberly	Keeton	
First/Middle Name	Last Name	
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Rev 8/2014 (Assignment)

Inventor's Signature

First/Middle Name

Page 2 of 2

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Date