505140334 10/13/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5187099

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MELVIN K. BENEDICT	08/24/2015
ERIC L. POPE	09/01/2015

RECEIVING PARTY DATA

Name:	Hewlett Packard Enterprise Development LP	
Street Address:	1445 Compaq Center Drive West	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77070	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15752250

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
Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90540690
NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	10/13/2018

Total Attachments: 2

source=90540690_Assignment#page1.tif source=90540690_Assignment#page2.tif

PATENT 505140334 REEL: 047155 FRAME: 0871

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

PAT	ENT	APP	LICA	TION

And the second s	04000404	
RECORD ID:	84260181	
KLOUKD ID.		

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 Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and

transfer and hereby assign and the right of priority, in, to and und		sors and assigns, the entire right, title and interest, including ntitled:
PHYSICAL MEMORY REGION	I BACKUP OF A VOLATIL	E MEMORY TO A NON-VOLATILE MEMORY
Filing Date:		Application No.:
divisionals, and renewals of an	d substitutes for said applic	and any and all continuations, continuations-in-part (C-I-P's), ation for said Patent, and any and all other Patent of any; and any reissues, or reexaminations, or extensions of said
by HPED, its successors, assig	ns, nominees or legal represented, reissued or extended.	y/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 at 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 disclaims rightful oaths and declarations, and legal representatives to obtain	ny agreement in conflict here tout undue delay, execute ar (s) or improvement(s), said a s, and I/we agree to commu- t(s), said application and sai ers and divisionals, continua and generally to do everyth ain and enforce, for its or the 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 deliver all such papers as may be necessary or desirable to pplication and said Patent, to HPED, its successors, assigns, nicate to HPED, or to its nominee, all known facts respecting d Patent, to testify in any legal proceedings, to sign all lawful tions, C-I-P's, reissue and foreign applications, to make all nig possible to aid HPED, its successors, assigns, nominees or own benefit, proper patent protection for said invention(s) or penses which may be incurred by me/us in lending such
applications as aforesaid, to iss	ue to HPED, as assignee of which may be issued and	any 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
		ord 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.I	nereunto set my/our hand(s) ar	d seal(s):
		24-Air-Doise
Inventor's Signature		24-Aug-2015
/ Melvin K.	Benedict	
First/Middle Name	Last Name	
Inventor's Signature	- Air i Air i Air a	Date
Eric L.	Pope	
First/Middle Name	Last Name	
Rev 06/15:	Page	l of 1

PATENT REEL: 047155 FRAME: 0872 Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

D.	١т	= 1	aT.	٠.	Ď	D1	1C	A	TI	$\overline{}$	s.	ı
ъ,		7 I	чı	- 44	_	т L	114 3		44	. ,	33	ı

RECORD ID:	84260181

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 Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority. In, to and under an application for Patent entitled:

the right of priority, in, to and under an application for Patent entitled: PHYSICAL MEMORY REGION BACKUP OF A VOLATILE MEMORY TO A NON-VOLATILE MEMORY Application No.: Filing Date: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said I/we additionally authorize HPED to file applications in my/our name for Patent in any country, to be held and enjoyed by HPED, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made: AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to HPED, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPED, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPED, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPED; AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPED, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. I/we further authorize and direct the attorneys of record to insert the filling date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Inventor's Signature Melvin K. Benedict First/Middle Name Last Name 1 Sept 2015 Inventor's Signature Eric L. Pope

Page 1 of 1

Last Name

PATENT REEL: 047155 FRAME: 0873

First/Middle Name

Rev 05/15