503531472 10/20/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3578099

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
GREGG B. LESARTRE	04/23/2013	
ANDREW HANA	04/25/2013	
RUSS W. HERRELL	04/23/2013	
GREGORY TREZISE	04/25/2013	

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:	14785749

CORRESPONDENCE DATA

Fax Number: (970)778-4063

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:
 90048312

 NAME OF SUBMITTER:
 DAN C. HU

 SIGNATURE:
 /Dan C. Hu, Reg. No. 40,025/

 DATE SIGNED:
 10/20/2015

Total Attachments: 6

source=2344-Assignment-signed#page1.tif source=2344-Assignment-signed#page2.tif source=2344-Assignment-signed#page3.tif

PATENT 503531472 REEL: 036836 FRAME: 0849

source=2344-Assignment-signed#page4.tif source=2344-Assignment-signed#page5.tif source=2344-Assignment-signed#page6.tif

> PATENT REEL: 036836 FRAME: 0850

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

Rev 1/ 2013 (Assignment)

PATENT	APPLIC	ATION

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that 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 subsidiaries and affiliates, to assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled.

entitled:	Tight, the and merest, moleculary	me ogni or promy, ne a	eating ander an abbreaution to Carene
NON-VOLATILE	MEMORY TO STORE RESETTABL	E DATA	
Filing Date:	October 20, 2015	Application No.:	
divisionals, and re-	newals of and substitutes for said a	application for said Patent	nuations, continuations-in-part (C-I-P's), , and any and all other Patent of any ir reexaminations, or extensions of said
by HPDC, its succe Patent respectively	essors, assigns, nominees or legal of	epresentatives, to the full (led, as fully and entirely a	t in any country, to be held and enjoyed end of the term or terms for which said s the same would have been held and
executed and will in time a request is in perfect the title to s nominees or legal in said invention(s) or papers, to execute rightful oaths and it and legal represent improvement(s) in	of execute any agreement in conflict ade, and without undue delay, execu aid invention(s) or improvement(s), s epresentatives, and t/we agree to co improvement(s), said application an all disclaimers and divisionals, cor teclarations, and generally to do eve atives to obtain and enforce, for its o	herewith, and I/we further to and deliver all such paper aid application and said Pammunicate to HPDC, or to disaid Patent, to testify in attinuations, C-I-P's, reissuerything possible to aid HF ritheir own benefit, proper	herein assigned, and that I/we have not covenant and agree that I/we will, each ers as may be necessary or desirable to atent, to HPDC, its successors, assigns, its nominee, all known facts respecting any legal proceedings, to sign atl lawfule and foreign applications, to make all PDC, its successors, assigns, nominees patent protection for said invention(s) or le incurred by me/us in lending such
applications as afo invention(s) or imp	resaid, to issue to HPDC, as assigni	se of the entire right, title a	es whose duty it is to issue patents on and interest, any and all Patent for said result of the application aforesaid, in
application for Pate known to them.		nd title set forth above, as i	date and application number of said soon as the same shall have been made
Inventor's Signature		Date	(25/2015
Gregg B. Lesartre Inventor's Typed Na	me		
Inventor's Signature		Date	· · · · · · · · · · · · · · · · · · ·
Andrew Hana			
Inventor's Typed Nar	пе		

Page 1 of 2

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

PATENT APPLICATION

Mas Stop 35 Fort Collins, Colorado 80528	RECORD ID: 83141575
	OF PATENT APPLICATION (cont.)
Min W. Hardl	4/28/2013
Inventor's Signature	Date
Russ W. Herrell	
Inventor's Typed Name	
Inventor's Signature	Date
Gregory Treziss	
Inventor's Typed Name	·
	·
Inventor's Signature	Date
Inventor's Typed Name	
Inventor's Signature	Date
menor s agranie	Case
Inventor's Typed Name	
uremo o 13pso caure	
Inventor's Signature	Date
manora cignatare	Note
Inventor's Typed Name	
mentors Types ware	
nventor's Signature	Date
inserve a communica	roin
minuted Tuned home	
nventor's Typed Name	

Page 2 of 2

Rev 1/ 2013 (Assignment)

RD COMPANY
y Administrator
දිරකර
uri inter Casa au in dell'as
ido 80528

Rev 1/2013 (Assignment)

PATENT APPLICATION

3404 E. Harmony Road Mail Step 35 Fort Collins, Colorado 80528	ga tayn 1 - 41	record id:	83141575	
	ASSIGNMENT OF I	PATENT APPLICATION	ON age as	
receipt of which is hereby a DEVELOPMENT COMPANY, Texas, (hereinafter HPDC), an	icknowledged, and in fu LP., a Texas Limited Pr d to its subsidiaries and :	urtherarice of my/our c artnership having its pri affiliates, to assign and	good and valuable consideration, ibligations to HEWLETT-PACKA ncipal place of business in Houst transfer to HPDC, its successors in and under an application for Pat	RD lon, and
NON-VOLATILE MEMORY TO) store resettable	DATA		
Filing Date: October	20, 2015	Application No.:	14/785,749	
divisionals, and renewals of an	id substitutes for said ap	n, and any and all contin plication for said Patent,	uations, continuations-in-part (C-I-I and any and all other Patent of reexaminations, or extensions of o	any
by HPDC, its successors, assig	ns, nominees or legal rep nted, reissued or extende	resematives, to the full e d, as fully and entirely a	in any country, to be held and enjound of the term or terms for which is the same would have been held	said
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 disclaim rightful oaths and declarations, and legal representatives to obtain improvement(s) in any and all cooperation and assistance are p	ny agreement in conflict his control undue delay, execute (s) or improvement(s), sail es, and I/we agree to comit(s), said application and sers and divisionals, confirers and generally to do every ain and enforce, for its or the countries provided the paid by HPDC;	erewith, and I/we further and deliver all such paper application and said Parmunicate to HPDC, or to said Patent, to teatify in a nuations, C-I-P's, reissand HPI heir own benefit, proper parpenses which may be	herein assigned, and that i/we have covenant and agree that i/we will, ears as may be necessary or desirable tent, to HPDC, its successors, assigits nominee, all known facts respecting legal proceedings, to sign all large and foreign applications, to make DC, its successors, assigns, nominotent protection for said invention(se incurred by me/us in lending sees whose duty it is to issue patents.	ech e to gns, ting wful all ees or och
applications as aforesaid, to iss	ue to HPDC, as assignee which may be issued as	of the entire right, title a	nd interest, any and all Patent for a result of the application aforesaid	oid
			date and application number of soon as the same shall have been m	
IN WITNESS WHEREOF, I	we hereunto set my/ou	r hand(s) and seal(s):		
inventor's Signature		Date		
Gresso B. Lesantre				
Inventor's Types Name		<u></u>		
		2	5 APR 203	
Inventor's Signature		Date	<u> </u>	
Andrew Hana SOORE	w Have			
Inventor's Typed Name				

Page 1 of 2

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

PATENT APPLICATION

Mail Stop 35	RECORD ID:	83141575
Fort Collins, Colorado 80528		
Α	SSIGNMENT OF PATENT APPLICATION (cont.)	
Inventor's Signature	Date	
Russ W. Herrell		
Inventor's Typed Name		
Inventor's Signature	Date	
One was Tanalas		
Gregory Trezise Inventor's Typed Name		
•		
Inventor's Signature	 Date	
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
Inventor's Typed Name		
Inventor's Signature	Date	
myemor a dignature	Date	
Inventoria Typed Nama		
Inventor's Typed Name		

Page 2 of 2

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

Rev 1/2013 (Assignment)

Ρ.	ΑТ	ΕN	Τ	Αŀ	P	LI	CA	١T	Ю	N

RECORD ID:	83141575

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that 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 subsidiaries and affiliates, to assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

NON-VOLATILE MEMORY TO STORE RESETTABLE DATA Filing Date: October 20, 2015 Application No.: 14/785,749 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 Patent. I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, 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 HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, 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 HPDC, 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 HPDC; 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 HPDC, 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 filing 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): Inventor's Signature Date Gregg B. Lesartre Inventor's Typed Name Inventor's Signature Date Andrew Hana Inventor's Typed Name

Page 1 of 2

HEW. ETT. PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80628

PATENT APPLICATION

RECORD ID:

83141575

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	~~~	 	Date	
Firms MI Gancoll				
Russ W. Harrell Inventor's Typed Name		 		
. Antonio de la compania de la comp	entere e constante d			
A The second second			95.	ARKIS
Inventor's Sisjusture	***************************************	 ,	Date	x
100 10000000000000000000000000000000000				
Gregory Treatise	***************************************	 		
Inventor's Typed Name				
inventor's Signature	the terms of	***********	Date	
inventor's Typed Name		 		
Va. conducto Oliveration		 	Date	
Inventor's Signature				
***************************************		******		
Inventor's Typed Name				
***************************************		**********		

Inventor's Typed Name				
Inventor's Typed Name				
Inventor's Typed Name			AND	
Inventor's Typed Name Inventor's Signsture			Date	
Inventor's Typed Name			Date	
Inventor's Typed Name Inventor's Signsture			Date	
Inventor's Typed Name Inventor's Signsture			Date	
Inventor's Typed Name Inventor's Signature Inventor's Typed Name			Date	
Inventor's Typed Name Inventor's Signsture			Date	
Inventor's Typed Name Inventor's Signature Inventor's Typed Name			Date	
Inventor's Typed Name Inventor's Signature Inventor's Typed Name			Date	
Inventor's Typed Name Inventor's Signature Inventor's Typed Name Inventor's Signature			Sate	
Inventor's Typed Name Inventor's Signature Inventor's Typed Name Inventor's Signature			Date	

Rev 1r 2013 (Assignment)

RECORDED: 10/20/2015

Page 2 of 2