504343424 04/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4390112

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID C. HARVEY	01/28/2013
CURT GONZALES	01/28/2013
RALPH L. STATHEM	01/28/2013
DAVID OLSEN	01/28/2013
DAVID WELTER	01/28/2013

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:	15581394

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) 898-7472
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: 84622561

NAME OF SUBMITTER: STEVEN L. NICHOLS

SIGNATURE: /Steven L. Nichols/

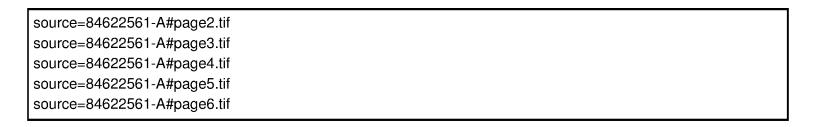
DATE SIGNED: 04/28/2017

Total Attachments: 6

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PATENT REEL: 042177 FRAME: 0472

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PATENT REEL: 042177 FRAME: 0473 HEWLETT-PACKARD COMPANYI intellectual Property Administrator ; 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

PERCENTA-

83166293

ASSIGNMENT OF PATENT APPLICATION

Who, the understance (each) have screed and hereby scree, 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. Toward, (fector) from the HPDO), and to its subsidiaries and affiliates, to assign and transfer to HPDO, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent antitlad: Fluid cartridge Filing Date: February 12, 2013 Application No.: 13/765,451

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

ifwe additionally authorize HPDC to file applications in mylour 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 enlirely as the same would have been held and enjoyed by melus 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 live further covenant and agree that live 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 tive 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 caths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and entorce, 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.

live 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 in them

IN WITNESS WHEREOF, I/we hereur	nto set my/our hand(s) an	1-28-2013
Inventor's Signature		Date
David C. Harvey		
Inventor's Typed Name		-
Inventor's Signature	······································	Date
Curt Gonzales		
Inventor's Typed Name		_
Rev 1/2013 (Assignment)	Page 1 of 2	

PATENT

HP Inc. 3390 E. Harmony Road Mail Stop 35

Rev 8/2014 (Assignment)

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	83166293
	ASSIGNMENT OF PAT	FENT APPLICATION (cont.)	
nventor's Signature		Date	
Ralph	Stathem		
First/Middle Name	Last Name		
nventor's Signature		Date	
David	Olsen		
First/Middle Name	Last Name		
nventor's Signature		Date	
Dave	Welter		
First/Middle Name	Last Name		
First/Middle Name	Last Name		
nventor's Signature		Date	
First/Middle Name	Last Name		
nventor's Signature		Date	
First/Middle Name	Last Name		

Page 2 of 2

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

PATENT			

RECORD ID:	83166293
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the

DEVELOPMENT COMPANY, L.P., a Texas Limited Texas, (hereinafter HPDC), and to its subsidiaries and	furtherance of my/our obligations to HEWLETT-PACKARD Partnership having its principal place of business in Houston, d affiliates, to assign and transfer to HPDC, its successors and the right of priority, in, to and under an application for Patent
Filing Date: February 12, 2013	Application No.: 13/765,451
divisionals, and renewals of and substitutes for said a	ein, and any and all continuations, continuations-in-part (C-I-P's) application for said Patent, and any and all other Patent of any refore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assigns, nominees or legal n	s in my/our name for Patent in any country, to be held and enjoyed epresentatives, to the full end of the term or terms for which said ded, as fully and entirely as the same would have been held and been made;
executed and will not execute any agreement in conflict time a request is made, and without undue delay, execuperfect the title to said invention(s) or improvement(s), s nominees or legal representatives, and live agree to co said invention(s) or improvement(s), said application an papers, to execute all disclaimers and divisionals, corrightful paths and declarations, and generally to do ever and legal representatives to obtain and enforce, for its of	o convey the entire interest herein assigned, and that I/we have not herewith, and I/we further covenant and agree that I/we will, each te and deliver all such papers as may be necessary or destrable to aid application and said Patent, to HPDC, its successors, assigns immunicate to HPDC, or to its nominee, all known facts respecting disaid Patent, to testify in any legal proceedings, to sign all lawfuntinuations, C-I-P's, reissue and foreign applications, to make all enything possible to aid HPDC, its successors, assigns, nomineer in their own benefit, proper patent protection for said invention(s) of elements which may be incurred by me/us in lending such
applications as aforesaid, to issue to HPDC, as assigned	il of any country or countries whose duty it is to issue patents or ee of the entire right, title and interest, any and all Patent for sald and granted on or as a result of the application aforesaid, in
	f 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 WHEREOF, I/we hereunto set my/o	our hand(s) and seal(s):
Inventor's Signature	Date
Inventor's Typed Name	// 25/2013 Date
Curt Gonzales Inventor's Typed Name	
	Page 1 of 2

Page 1 of 2

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

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	REC	ORD ID:	83166293
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Ralph L St.	,	^	- 28,20/3
Ralph L. Stathem Inventor's Typed Name			
Inventor's Signature		Date	
David Olsen Inventor's Typed Name			÷
inventor's Signature		Date	
David Welter 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			¥

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	HP Inc.
	3390 E. Harmony Road
	Mail Stop 35
	Fort Collins, Colorado 80528

Rev 8/2014 (Assignment)

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RECORD ID:	83166293

I/Me the undersigned (eac	ASSIGNMENT OF PATE b) for good and valuable con-	ENT APPLICATION sideration, the receipt of which is hereby acknowledged,
and in furtherance of my/our Limited Partnership having its subsidiaries and affiliates, agre	obligations to HEWLETT-PA s principal place of business e to assign and transfer and h	ACKARD DEVELOPMENT COMPANY, L.P., a Texas in Houston, Texas, (hereinafter HPDC), and to its hereby assign and transfer to HPDC, its successors and it of priority, in, to and under an application for Patent
Fluid cartridge		
Filing Date:		Application No.:
divisionals, and renewals of an	d substitutes for said applicati	f any and all continuations, continuations-in-part (C-I-P's) on for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assign	ns, nominees or legal represen nted, reissued or extended, as	our name for Patent in any country, to be held and enjoyed itatives, to the full end of the term or terms for which said fully and entirely as the same would have been held and ade;
executed and will not execute ar 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 disclaime rightful oaths and declarations, a legal representatives to obtain a	ny agreement in conflict herewith out undue delay, execute and conflict in the conflict herewith out undue delay, execute and conflict in the communities, and I/we agree to communities, said application and said fiers and divisionals, continuation denerally to do everything point enforce, for its or their ow untries provided the expenses we continue to the expense of the expenses we continue to the expense of	y the entire interest herein assigned, and that I/we have no th, and I/we further covenant and agree that I/we will, each deliver all such papers as may be necessary or desirable to deliver all such papers as may be necessary or desirable to deliver all such papers as may be necessary or desirable to deliver and said Patent, to HPDC, or to its nominee, all known facts respecting Patent, to testify in any legal proceedings, to sign all lawfuns, C-I-P's, reissue and foreign applications, to make all possible to aid HPDC, its successors, assigns, nominees and not benefit, proper patent protection for said invention(s) owhich may be incurred by me/us in lending such cooperation.
applications as aforesaid, to issu	ue to HPDC, as assignee of the which may be issued and gr	country or countries whose duty it is to issue patents or e entire right, title and interest, any and all Patent for said anted on or as a result of the application aforesaid, in
	-	to insert the filing date and application number of said set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/	we hereunto set my/our hand	d(s) and seal(s):
nventor's Signature		Date
David C	Harvey	
First/Middle Name	Last Name	
nventor's Signature		
Curt	Gonzales	
	Last Name	

Page 1 of

PATENT

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

Rev 1/2013 (Assignment)

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID: 83166293
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ASSIGNMENT OF F	'ATENT APPLICATION (cont.)
nventor's Signature	Date
Ralph L. Stathem	
Inventor's Typed Name	***************************************
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Baup Com	
inventor's Signature	Date
David Olsen	
Inventor's Typed Name	AND
11/10 Wbes	
Inventor's Signature	Date
David Welter	
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