505609342 08/06/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5656143

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN P. FRANZ	04/10/2015
TAHIR CADER	04/13/2015

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:	16533723

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

Address Line 2: MAIL STOP 79

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90764423
NAME OF SUBMITTER:	DEBORAH HIGHAM
SIGNATURE: /Deborah Higham/	
DATE SIGNED:	08/06/2019

Total Attachments: 2

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PATENT 505609342 REEL: 049981 FRAME: 0320

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

DATEMT ARRIVATION	ç

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

			assign and transfer to HPDC, its successors and ority, in, to and under an application for Patent
MAGNETIC FLUID CONF	VECTOR		
Filing Date: Herewith		Applica	ition No.:
divisionals, and renewals	of and substitutes for si	aid application for s	nd all continuations, continuations-in-part (C-I-P's) said Patent, and any and all other Patent of any reissues, or reexaminations, or extensions of said
by HPDC, its successors.	assigns, nominees or leg e granted, reissued or ea	gal representatives, xtended, as fully an	e for Patent in any country, to be held and enjoyed to the full end of the term or terms for which said dientirely as the same would have been held and
executed and will not execution a request is made, an perfect the title to said invinominees or legal represensaid invention(s) or improvipapers, to execute all disrightful oaths and declarat and legal representatives to	ute any agreement in cond without undue delay, entention(s) or improvements natives, and I/we agree thement(s), said applicationals, ions, and generally to do obtain and enforce, for all countries provides	nflict herewith, and I secute and deliver a (s), said application to communicate to h in and said Patent, I , continuations, C-I o everything possiblits or their own ben	tire interest herein assigned, and that I/we have no i/we further covenant and agree that I/we will, each ill such papers as may be necessary or desirable to and said Patent, to HPDC, its successors, assigns iPDC, or to lis nominee, all known facts respecting to lestify in any legal proceedings, to sign all lawfu P's, reissue and foreign applications, to make all e to aid HPDC, its successors, assigns, nominee; efit, proper patent protection for said invention(s) o high may be incurred by me/us in lending suct
applications as aforesaid,	to issue to HPDC, as as as ant(s) which may be use	signee of the entire	y or countries whose duty it is to issue patents or right, title and interest, any and all Patent for said on or as a result of the application aforesaid, in
			art the filing date and application number of sak above, as soon as the same shall have been made
IN WITNESS WHERE	OF, I/we hereunto set r	my/our hand(s) an	d seal(s):
12, 1			4-10-2015
Inventor's Signature			Date
V. 60 48.	940		
John P. First/Middle Name	Franz Last Name		**
9.7554.7000000000000000000000000000000000	costsylation		
Inventor's Signature	***************************************		Date
Tahir	Cader		
First/Middle Name	Last Name		
Rev 9/2014 (Assignment)		Page 1 of 1	

PATENT REEL: 049981 FRAME: 0321 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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	84173032

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 subsidiaries and affiliates, agree to assign and transfer and hereby 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:

assigns, the entire right entitled	es, agree to assign and t it, title and interest, inclu	ransfer and hereby Joing the right of pr	assign and transfer to HPDC, its successors an riority, in, to and under an application for Pater
MAGNETIC FLUID CO	NNECTOR		
Filing Date: Herewith	2	Applica	ation No.:
ALL ISHEMS	is of and substitutes for	Said application for a	and all continuations, continuations-in-part (C-I-P's said Patent, and any and all other Patent of an reissues, or reexaminations, or extensions of sai
Patent respectively may	's, assigns, nominees of k	egal representatives, extended, as fully an	ne for Patent in any country, to be held and enjoye, to the full end of the term or terms for which saind entirely as the same would have been held an
time a request is made, perfect the little to said in nominees or legal represaid invention(s) or impropers, to execute all conditions and declar and legal representatives improvement(s) in any cooperation and assistant	and without undue delay, of the third without undue delay, of the third without undue delay, of the third without and the agree overment(s), said applicationals rations, and generally to do set to obtain and enforce, for and all countries provide the are paid by HPDC; uthorize and request the of the issue to HPDC, as as	omitic herewith, and it execute and deliver a t(s), said application in to communicate to it on and said Patent, to s, continuations, C-l- to everything possible rits or their own bene and the expenses with	ntire interest herein assigned, and that I/we have no I/we further covenant and agree that I/we will, each all such papers as may be necessary or desirable to and said Patent, to HPDC, its successors, assigns HPDC, or to its nominee, all known facts respecting to testify in any legal proceedings, to sign all lawfur. P's, reissue and foreign applications, to make a let to aid HPDC, its successors, assigns, nominee refit, proper patent protection for said invention(s) of hich may be incurred by me/us in lending successors, assigns, nominee and the proper patent protection for said invention(s) of hich may be incurred by me/us in lending successors, assigns, nominees whose duty it is to issue patents or right, title and interest, any and all Patent for said
I/we further authori application for Patent, no known to them.	is or mis assignment. Ze and direct the attorne	rys of record to inse	on or as a result of the application aforesaid, in ert the filing date and application number of said above, as soon as the same shall have been made d seal(s):
Inventor's Signature			Date
John P.	Franz		
First/Middle Name	Last Name		-
Tahir (Caden		4/13/15
Inventor's Signature			Date
Tahir	Cader		·
First/Middle Name	Last Name		-
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REEL: 049981 FRAME: 0322