506061047 05/14/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT6107761

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GARRETT E. CLARK	11/29/2018
MICHAEL W. CUMBIE	12/07/2018

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.	
Street Address:	10300 Energy Drive	
City:	Spring	
State/Country:	TEXAS	
Postal Code:	77389	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16764368

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.

(541)360-4450 Phone: Email: ipa.mail@hp.com

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD MS 35 Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	85887939
NAME OF SUBMITTER:	TODD A. RATHE
SIGNATURE:	/Todd A. Rathe/
DATE SIGNED:	05/14/2020

Total Attachments: 2

source=84965485-A#page1.tif source=84965485-A#page2.tif

> **PATENT REEL: 052677 FRAME: 0202** 506061047

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

RECORD	10:	84965485

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good as transfer and hereby assign and tran having its principal place of busine title, and interest, including all ng parentheses if said application for p	sfer to HEWLETT-PACKARD I se in Houston, Texas, (herein its of priority, in, to, and und	DEVELOPMEN after "HPDC").	IT COMPANY, L.P., its successors, and	a Texas Limited Partnership its assigns, my entire right
FLUID FEED HOLE PORT DIME	NSIONS			
Filling Date:	Application No),¢	***************************************	Patent Office: US
the subject matter, including any an herein "patent" refers to any form of design rights, and utility model rig country or region or under any interpatent, any and all applications for said inventions, any and all applicational applications of, national applications of, nation application for patent for any of said on or as a result of said Application of said Applications for Patent or said applications for said applications for said applications.	intellectual property protection into) (hereinafter "Inventions"); national agreement for any of patent directly clair ations for patent from which is and any and all continuation as suphase applications of region inventions) (hereinafter "Applies for Patent (hereinafter "Paters	including, with any and all e said inventions ning priority to my application plications of c nal-phase app ications for Pa	out limitation, invent visting and future a clincluding, without or benefit of any ap for patent for any ontinuation in part a lications of renewal tent"), any and all p	ion rights, utility patent rights, pplications for patent of any imitation, said application for plication for patent for any of of said Inventions directly or pplications (hersinafter CIPs) is of, and substitutes for any atents which may be granted
I HEREBY represent that I co entire right, title, and interest herein conflict herewith;				
AND I HEREBY authorize H Applications for Patent in its name authorize HPDC, its successors i number, and patent office of said a them;	or in my name in any count to assigns, its nominees, and	y or region or Lifts legal repr	under any internati esentatives to inser	ional agreement, and further tithe filing date, application
AND I HERESY authorize and duty it is to issue patents, to issue Patents, in secondance with the terr	to HPDC, its successors, or its	assigns, as a	ns and under all into ssignee of my entre	imational agreements whose right, title, and interest, said
AND I HEREBY covenant and such papers as may be necessary HPDC, its successors, or its assign all known facts respecting said inversing all lawful papers (includapplications) relating to said invergenerally to do everything possible maintain, and enforce, for its or their and Patents, provided the expense its successors, its assigns, its nominal	or desirable to perfect the till communicate to HPDC, its significations for Patenting, without firefactions for Patenting, without firefactions for Patent, to aid HPDC, its successors, it cam benefit, proper intellectures which may be incurred by me	tle in said Invo uccessors, its a , and Patents, nal application and Patents, a ts assigns, its al property prot in lending suc	entions. Applications assigns, its nomineer testify in any legal of s. continuation app and make all rightful rominees, and its le ection for said inventions.	ifor Patent, and Patents, to s, or its legal representatives, or administrative proceedings lications. CIPs, and reissue I caths and declarations and gal representatives to obtain, tions, Applications for Patent,
IN WINESS VINEREOF, I he inventor's signature.	reunto set my hand and seal: Clark	2 7	Month Month	
Given (First and Middle) Name(s)	Family Name			

990-800016 (HPCX) RESIDENCE

PΔ	TEN	ET.	ΔP	PI	IC.	ΔΤ	10	N

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

RECORD	ID:	84965485
--------	-----	----------

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter "HPDC"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

having its principal place of business in Houston, Texas, (hereinafte title, and interest, including all rights of priority, in, to, and under parentheses if said application for patent is in another language):	er "HPDC"), i an applicatio	ts successors, and its ass in for patent entitled (Eng	igns, my entire right, glish-language title in
FLUID FEED HOLE PORT DIMENSIONS			
Filing Date: Application No.:		P	atent Office: US ;
the subject matter, including any and all inventions, improvements, ar herein "patent" refers to any form of intellectual property protection ind design rights, and utility model rights) (hereinafter "Inventions"); an country or region or under any international agreement for any of sai patent, any and all applications for patent directly or indirectly claimir said Inventions, any and all applications for patent from which any indirectly claims priority or benefit, and any and all continuation applic of, divisional applications of, national-phase applications of, regiona application for patent for any of said Inventions) (hereinafter "Application or as a result of said Applications for Patent (hereinafter "Patents of said Applications for Patents."	cluding, without y and all exited inventions of grid priority to continuous application of continuous for Pater tions for Pater in the priority of the priorit	ut limitation, invention righ sting and future application (including, without limitation or penefit of any application for patent for any of said intinuation-in-part application cations of, renewals of, and ent"); any and all patents yent"); any and all patents yent.	ts, utility patent rights, ons for patent of any on, said application for n for patent for any of Inventions directly or ons (hereinafter CIPs) and substitutes for any which may be granted
I HEREBY represent that I convey my full rights in all countrie entire right, title, and interest herein assigned and transferred, and th conflict herewith;	s and regions at I have not	s and under all internation executed and will not exec	nal agreements to the cute any agreement in
AND I HEREBY authorize HPDC, its successors, its assign Applications for Patent in its name or in my name in any country authorize HPDC, its successors, its assigns, its nominees, and its number, and patent office of said application for patent, now identified them;	or region or i s legal repre	under any international ag sentatives to insert the f	greement, and further
AND I HEREBY authorize and request the officials of all countried duty it is to issue patents, to issue to HPDC, its successors, or its at Patents, in accordance with the terms of this assignment and transfer	ssigns, as as	s and under all internation signee of my entire right,	nal agreements whose title, and interest, said
AND I HEREBY covenant and agree that I will, each time a requision papers as may be necessary or desirable to perfect the title HPDC, its successors, or its assigns; communicate to HPDC, its successors and sign all lawful papers (including, without limitation, divisional applications) relating to said Inventions, Applications for Patent, and generally to do everything possible to aid HPDC, its successors, its maintain, and enforce, for its or their own benefit, proper intellectual grand Patents, provided the expenses which may be incurred by me in its successors, its assigns, its nominees, or its legal representatives.	in said Inve- cessors, its au and Patents; to applications d Patents; au assigns, its no property prote	ntions, Applications for Passigns, its nominees, or its estify in any legal or admis, continuation application make all rightful oaths ominees, and its legal reportions of the said loventions.	atent, and Patents, to legal representatives, inistrative proceedings is, CIPs, and reissue and declarations and presentatives to obtain, Applications for Patent
IN WITNESS WHEREOF, I hereunto set my hand and seal:			
Michael Cumbria	7	December	2018
Inventor's Signature	Day	Month	Year
Michael W. Cumbie Given (First and Middle) Name(s) Family Name			
Given (First and Middle) Name(s) Family Name			

Rev 8/2018 (HPDC Assignment)

PATENT REFL: 052677 FRAME: 0204