506128073 06/26/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6174799

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL W CUMBIE	04/29/2019
DAVID J BENSON	04/29/2019
RANDY HOFFMAN	04/29/2019
AMY GAULT	04/29/2019

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:	16958578

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:	85891465
NAME OF SUBMITTER:	WESLEY L. AUSTIN
SIGNATURE:	/Wesley L. Austin/
DATE SIGNED:	06/26/2020

Total Attachments: 4

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PATENT REEL: 053059 FRAME: 0769 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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ASSIGNMENT OF PATENT APPLICATION

transfer and hereb having its principal and interest, include	assign and transfer to light to grade of business in Spirit	able consideration, the receited HEWLETT-PACKARD DEVE ving, Texas, (hereinafter "HF n, to, and under an application nguage):	ELOPMENT CO 'DC"), its succ	OMPANY, L.P., a essors, and its ass	Texas Limited Partnership signs, my entire right, title,
FLUIDIC DIES W	ITH CONDUCTIVE ME	EMBERS			
Filing Date:	29 April 2019	Application No.:	PCT/US2	019/029714	Patent Office: US;
herein "patent" refe design rights, and country or region of patent, any and all said Inventions, ar indirectly claims pri of, divisional applica- application for pate on or as a result of	rs to any form of intellect utility model rights) (he r under any international applications for patent of my and all applications for ority or benefit, and any actions of national-phase ant for any of said inventions	rentions, improvements, and dual property protection inclu- serinafter "Inventions"); any all agreement for any of said directly or indirectly claiming for patent from which any a and all continuation applica- te applications of, regional-ptions) (hereinafter "Application atent (hereinafter "Patents"); ints.	ding, without if and all existing inventions (inc priority to or big pplication for patients of, continuate applications for Patent"	mitation, invention ig and future appli- luding, without lim enefit of any appli- patent for any of uation-in-part appli- ons of, renewals of); any and all pate	rights, utility patent rights, lications for patent of any itation, said application for cation for patent for any of said inventions directly or lications (hereinafter CIPs) of, and substitutes for any ints which may be granted
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IN WITNESS Inventor's Signatur Michael W Curr Given (First and Mi		set my hand and seat	29 Day 8	April Tonth	2019 Year

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ASSIGNMENT OF PATENT APPLICATION

transfer and here having its princips and interest, inclu-	by assign and transfer to al place of business in Sp	able consideration, the race HEWLETT-PACKARD DEV pring, Texas, (hereinalter "Hi in, to, and under an applicati inguage):	ELOPMEN PDC"), its :	IT COMPANY, L.P., a successors, and its as	i Texas Limited Partnership ssigns, my entire right, title
FLUIDIC DIES	WITH CONDUCTIVE ME	EMBERS			
Filing Date:	29 April 2019	Application No.:	PCT/L	JS2019/029714	Patent Office: US
herein "patent" re- design rights, an- country or region patent, any and a said Inventions, a indirectly claims p of, divisional appli- application for pa- on or as a result.	fars to any torm of intellect d utility model rights) (he or under any internationa ill applications for patent o any and all applications f priority or benefit, and any lications of, national-phas tent for any of said invent	rentions, improvements, and stual property protection inclu- ereinafter "Inventions"); any il agreement for any of said directly or indirectly claiming for patent from which any a rand all continuation applica is applications of, regional-; tions) (hereinafter "Applications) (hereinafter "Patents") ints.	uding, with and all end inventions priority to application tions of, co ohase applions for Pai	out limitation, invention disting and future app (including, without lin or benefit of any appl for patent for any of ontinuation-in-part app ications of, renewals ent"); any and all pat	n rights, utility patent rights plications for patent of an nitation, said application fo lication for patent for any o said inventions directly o plications (hereinafter CIPs of, and substitutes for any ents which may be granted
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Perc	WHEREOF, I haraunto	set my hand and seal;	29	April	2019
Inventor's Signatu	ere .	······································	Day	Month	Year
David J Benson					
Given (First and M	iddie) Name(s) — Family	Name			

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RECORD	ID:	85055541
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ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and

having its principal and interest, include	y assign and transfer to HE place of business in Sprin ling all rights of priority, in, for patent is in another lang	g, Texas, (hereinafter "HI to, and under an applicati	PDC"), its s	uccessors, a	nd its assign	is, my entire right, title,
FLUIDIC DIES W	ITH CONDUCTIVE MEM	BERS				
Filing Date:	29 April 2019	Application No.:	PCT/U	S2019/029	714 [Patent Office: <u>US</u>
herein 'patent' refe design rights, and country or region of patent, any and all said inventions, are indirectly claims prof, divisional appli- application for pate on or as a result of	including any and all inventers to any form of intellecture utility model rights) (here or under any international a applications for patent directly and all applications for ionity or benefit, and any are cations of, national-phase ant for any of said Invention of said Applications for Patent or said Patents	al property protection inch inafter "inventions"); any greement for any of said actly or indirectly claiming patent from which any of all continuation applica applications of, regional- ins) (hereinafter "Applications")	iding, without and all exit inventions priority to application tions of, or other applicants for Pat	out limitation, isting and fur (including, wi or benefit of a for patent for intinuation-in- ications of, re ent'); any any	invention rig ture applicat thout limitat any applicat any of sai part applica mewals of, f all patents	whis, utility patent rights tions for patent of any ion, said application for ion for patent for any of d Inventions directly of tions (hereinafter CIPs and substitutes for any which may be granter
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IN WITNESS	WHEREOF, I hereunto se	t my hand and seal:				
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inventor's Agnatu	is		Day	Month		Year
Randy Hoffman Given (First and Mi	ddle) Name(s) Family N	lame				
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ASSIGNMENT OF PATENT APPLICATION

transfer and here having its princip and interest, incli	iby assign and transfer to al place of business in S	iable consideration, the race HEWLETT-PACKARD DEV pring, Texas, (hereinafter "H in, to, and under an applicat anguage):	ELOPMEN PDO"), its	IT COMPANY, L.P., a successors, and its as	Texas Limited Partnership signs, my entire right, title,
FLUIDIC DIES	WITH CONDUCTIVE M	EMBERS			
Filing Date:	29 April 2019	Application No.: _	PCT/L	JS2019/029714	Patent Office: US;
herein "patent" re design rights, an country or region patent, any and a said inventions, indirectly claims; of, divisional app application for pa on or as a result	fers to any form of intelle d utility model rights) (h or under any internation til applications for patent any and all applications priority or benefit, and an lications of, national-pha tent for any of said inver-	ventions, improvements, and citual property protection inci- ereinafter "Inventions"); any all agreement for any of said directly or indirectly claming for patent from which any it is and all continuation applications of regional-stions) (hereinafter "Patents") ints.	uding, with and all e- inventions priority to application itions of, co chase app ons for Pa	out limitation, invention xisting and future app including, without lin or benefit of any appl for patent for any of ontinuation-in-part app fications of, renewals fent"); any and all pat	n rights, utility patent rights, olications for patent of any nitation, said application for lication for patent for any of said Inventions directly or olications (hereinafter CIPs) of, and substitutes for any ents which may be granted
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IN WITNES	3 WHEREOF, I hereunto	set my hand and seal:			
amer.	Aud-		29	Anril	2019
Inventor Signet	N&		Day	Month	Year
Amy Gault	***************************************	•••••			
Given (First and M	liddle) Name(s) — Famii	y Name			

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RECORDED: 06/26/2020