507395875 07/20/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT7442801 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DEAN J. RICHTSMEIER	04/14/2020
BRIAN C. MAYER	04/14/2020
KENNETH SCOTT LINE	04/14/2020

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:	17794221

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: 5413604450 Email: ipa.mail@hp.com

HP INC. **Correspondent Name:**

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

ATTORNEY DOCKET NUMBER: 86159264 NAME OF SUBMITTER: COLLEEN F. BROWN /Colleen F. Brown/ SIGNATURE: **DATE SIGNED:** 07/20/2022

Total Attachments: 3

source=86159264_ASSIGN#page1.tif source=86159264_ASSIGN#page2.tif source=86159264_ASSIGN#page3.tif

> PATENT **REEL: 060570 FRAME: 0453** 507395875

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

RECORD	۱D:	85862106
--------	-----	----------

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and refer and hereby assign and transfer to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership

having its prin and interest, it	cinal place of husiness in	Spring, Texas, (hereinafter "i y, in, to, and under an applica r language):	HPDC"), its su	ccessors, and its as	ssigns, my entire right, title,
MEDIA FEE	D RATE ADJUSTMENT	S			
Filing Date:	April 21, 2020	Application No.:	PCT/US20	020/029092	Patent Office: US
herein "patent design rights, country or reg patent, any ar said Invention indirectly claim of, divisional a application for on or as a res	"refers to any form of inte- and utility model rights) ion or under any internati- id all applications for pate is, any and all application inspriority or benefit, and a applications of, national-persetent for any of said in	inventions, improvements, ar flectual property protection ind (hereinafter "Inventions"); and onal agreement for any of sail int directly or indirectly claimin as for patent from which any any and all continuation applie hase applications of, regional ventions) (hereinafter "Applica or Patent (hereinafter "Patents atents.	cluding, without y and all exist d Inventions (in priority to on application for cations of, con t-phase applications for Pate	at limitation, invention ating and future applications without fir benefit of any apport patent for any of tinuation-in-part applications of, renewals ant'); any and all patents and and all patents and all	in rights, utility patent rights, plications for patent of any nitation, said application for lication for patent for any of said Inventions directly or plications (hereinafter CIPs) of, and substitutes for any tents which may be granted
I HEREB entire right, tit conflict herew	le, and interest herein ass	my full rights in all countrie igned and transferred, and th	s and regions at I have not e	and under all inter executed and will no	national agreements to the t execute any agreement in
Applications f	or Patent in its name or DC its successors, its a	 its successors, its assign in my name in any country is ssigns, its nominees, and it ation for patent, now identified 	or region or u s legal repres	inder any internation sentatives to insert	nal agreement, and further the filing date, application
duty it is to is:	sue patents, to issue to H	uest the officials of all countric PDC, its successors, or its at f this assignment and transfer	ssigns, as ass	s and under all inter ignee of my entire i	national agreements whose right, title, and interest, said
such papers HPDC, its suc all known fact and sign all applications) i generally to d maintain, and and Patents, i	as may be necessary or cessors, or its assigns; or s respecting said Invention lawful papers (including, relating to said Inventions of everything possible to a enforce, for its or their ow provided the expenses who	the that I will, each time a required desirable to perfect the title symmunicate to HPDC, its success, Applications for Patent, a without limitation, divisional and HPDC, its successors, its in benefit, proper intellectual pich may be incurred by me in a or its legal representatives.	in said Inventessors, its assend Patents; te applications, d Patents; and assigns, its no property protect	tions, Applications signs, its nominees, istify in any legal or continuation appli- d make all rightful minees, and its legation for said invention	for Patent, and Patents, to or its legal representatives, administrative proceedings cations, CIPs, and reissue oaths and declarations and al representatives to obtain, ons, Applications for Patent,
De Inventor's Sig	nature nature	nto set my hand and seal	/ / / Day	April Month	
Doon I Pir	htemaier	•			

Dean J. Richtsmeier

Given (First and Middle) Name(s)

Family Name

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

RECORD ID:	85862106
------------	----------

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

	ncluding all	l rights of pr	riority, in, to, a	and under an applica			assigns, my entire right, title, language title in parentheses
MEDIA FEE	D RATE A	DJUSTME	NTS				
Filing Date:	April 21	, 2020		Application No.:	PCT/US2	020/029092	Patent Office: US
herein "patent design rights, country or reg patent, any ar said Inventior indirectly clair of, divisional application for	" refers to a and utility pion or unde nd all applic ns, any and ns priority o applications r patent for sult of said	any form of model righter any intersections for particular all application of, nationally of said Application	intellectual prots) (hereinaf national agre- patent directly ations for patent dany and a al-phase app inventions) is for Patent (operty protection in- ter "Inventions"); ar- ement for any of sa or indirectly claiming ent from which any Il continuation appli- lications of, regiona (hereinafter "Applica	cluding, withousy and all exi- id Inventions (ing priority to come application of cations of, con il-phase applications for Pate	ut limitation, invent sting and future a (including, without or benefit of any as or patent for any ntinuation-in-part a cations of, renewa ent"); any and all p	application for patent (as used ion rights, utility patent rights, pplications for patent of any limitation, said application for application for patent for any of of said Inventions directly or pplications (hereinafter CIPs) is of, and substitutes for any atents which may be granted examinations, and extensions
	le, and inte						ernational agreements to the not execute any agreement in
Applications fauthorize HP	or Patent i DC, its suc	n its name ccessors, it	or in my nai s assigns, it	me in any country s nominees, and it	or region or u s legal repres	under any internat sentatives to inse	representatives to file said ional agreement, and further it the filing date, application to forth above, when known to
duty it is to is	sue patents	s, to issue t	o HPDC, its s	fficials of all countri successors, or its a gnment and transfer	ssigns, as ass	s and under all inte signee of my entire	ernational agreements whose right, title, and interest, said
such papers HPDC, its suc all known fact and sign all applications) generally to d maintain, and and Patents.	as may be coessors, or is respection lawful paper relating to o everythin enforce, for provided the	necessary rits assigns g said Inve ers (includi said Invent g possible rits or their e expenses	or desirable communica intions, Applicing, without literated and HPDC, own benefit, which may be	to perfect the title te to HPDC, its successions for Patent, a limitation, divisional tions for Patent, an its successors, its proper intellectual p	in said Inver cessors, its as and Patents; to applications, d Patents; an assigns, its no property protect	ntions, Applications signs, its nominee estify in any legal continuation app d make all rightfu minees, and its le ction for said Inven	delay, execute and deliver all s for Patent, and Patents, to s, or its legal representatives, or administrative proceedings ilications, CIPs, and reissue I oaths and declarations and gat representatives to obtain, tions, Applications for Patent, essistance are paid by HPDC,
IN WITN	IESS WHE	REOF, I hei	reunto set my	hand and seal:	13/	Amil	A130
Inventor's Sig	nature	<u> </u>	Jez-		Day	Month	Year
Brian C. May		Laurin/s V	Family Name				

Rev 8/2018 (HPDC Assignment)

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

`
٠
1
•
۱
ľ
•
•
*
Š
1
3
•
ì
`
ì
Š
٠

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 Lamited Partnership having its principal place of business in Spring, Texas (hereinaffer "HPDC"), its successors, and its assigns, my entire right, title. and interest, including all rights of priority in ito, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

MEDIA FEED RATE ADJUSTMENTS

Filling Date: April 21, 2020	Application No.: PCT/US2020/029092	Patent Office: US
the subject matter, including any and all	inventions, improvements, and discoveries, set forth in said (application for patent (as used
herein "patent" refers to any form of inte	Rectual property protection including, without limitation, inven-	tion rights, utility patent rights
design rights, and utility model rights)	(hereinafter 'Inventions'), any and all existing and future a	applications for patent of any
	onal agreement for any of said Inventions (including, without	
	nt directly or indirectly claiming priority to or benefit of any a	
	is for patent from which any application for patent for any	

indirectly claims priority or benefit, and any and all continuation applications of continuation-in-part applications (hereinafter CIPs) of, divisional applications of, national-phase applications of, regional-phase applications of, renewals of, and substitutes for any application for patent for any of said inventions) (hereinafter "Applications for Patent"); any and all patents which may be granted on or as a result of said Applications for Patent (hereinafter "Patents"), and any and all relisaues, reexaminations, and extensions of said Applications for Patent or said Patents.

I HEREBY represent that I convey my full rights in all countries and regions and under all international agreements to the entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement in conflict herewith:

AND I HEREBY authorize HPDC, its successors, its sesigns, its nominees, and its legal representatives to file said Applications for Patent in its name or in my name in any country or region or under any international agreement, and further authorize HPDC, its successors, its assigns, its nominees, and its legal representatives to insert the filing date, application number, and patent office of said application for patent, now identified by the Record ID and title set forth above, when known to them;

AND I HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to issue to HPOC, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer.

AND I HEREBY coveriant and agree that I 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 in said Inventions, Applications for Patent, and Patents, to HPDC, its successors, or its assigns, communicate to HPDC, its successors, its assigns, its nominees, or its legal representatives, all known facts respecting said Inventions. Applications for Patent, and Patents, testify in any legal or administrative proceedings and sign all lawful papers (including, without limitation, divisional applications, continuation applications, CIPs, and reissue applications) relating to said Inventions, Applications for Patent, and Patents, and make all rightful caths and declarations and generally to do everything possible to aid HPDC, its successors, its assigns, its nominees, and its legal representatives to obtain, maintain, and enforce, for its or their own benefit, proper intellectual property protection for said Inventions, Applications for Patent. and Patents, provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HPDC. de successors, de assigne, de nominees, or de legal representatives.

IN WITNESS WHEREOF, I hereunto set my hand and seal.

Inventor Sognature

Kenneth Scott Line

Given (First and Middle) Name(s):

RECORDED: 07/20/2022

Family Name

Rev 80018 (HPO) Assignment)

PATENT REEL: 060570 FRAME: 0456