## 507257003 04/28/2022

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7303924

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JACOB LUM	11/13/2019
JAMES A. FEINN	11/11/2019
MENGQIAN LU	11/13/2019
GARRETT E. CLARK	11/13/2019

#### **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:	17772760

#### **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.

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Correspondent Name: HP INC.

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

ATTORNEY DOCKET NUMBER:	86139582
NAME OF SUBMITTER:	TRACY J. KIMMEL
SIGNATURE:	/Tracy J. Kimmel/
DATE SIGNED:	04/28/2022

#### **Total Attachments: 4**

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PATENT 507257003 REEL: 059708 FRAME: 0069

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PATENT REEL: 059708 FRAME: 0070 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

RECORD ID: 85807682
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# **ASSIGNMENT OF PATENT APPLICATION**

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Filing Date: _	13 Nov 201	9	Application No.:	PCT/US	2019/061319	Patent Office: US
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IN WITNES	SS WHEREOF, I	hereunto set my	hand and seal:			
Inventor's Signa	ture			13 Day	Novembe Month	r <u>2019</u> Year
Jacob Lum				•		
Given (First and	Middle) Name(s)	Family Name				

Rev 8/2018 (HPDC Assignment)

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

RECORD	ID:	85807	682

# **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 having its principal place of business in and interest, including all rights of priority if said application for patent is in another	Spring, Texas, (hereinafter "H y, in, to, and under an applicat	'ELOPMEN' PDC"), its s	T COMPANY, L.P., a Tuccessors, and its ass	igns, my entire right, title,
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Filing Date: 13 Nov 2019	Application No.:	PCT/US	S2019/061319	Patent Office: US ;
the subject matter, including any and all herein "patent" refers to any form of intel design rights, and utility model rights) country or region or under any internation patent, any and all applications for pater said Inventions, any and all application indirectly claims priority or benefit, and a of, divisional applications of, national-phapplication for patent for any of said Inventions of as a result of said Applications for of said Applications for Patent or said	lectual property protection incl (hereinafter "Inventions"); any anal agreement for any of said at directly or indirectly claiming is for patent from which any any and all continuation applica- tions) (hereinafter "Applicat Patent (hereinafter "Patents"	uding, without and all exitance of the control of t	ut limitation, invention isting and future appli (including, without limior benefit of any applic for patent for any of sintinuation-in-part applications of, renewals oent"); any and all pater	rights, utility patent rights, cations for patent of any tation, said application for ation for patent for any of aid Inventions directly or cations (hereinafter CIPs) f, and substitutes for any hts which may be granted
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AND I HEREBY authorize HPDC Applications for Patent in its name or i authorize HPDC, its successors, its as number, and patent office of said application;	n my name in any country o signs, its nominees, and its	r region or legal repre	under any internationa sentatives to insert th	al agreement, and further ne filing date, application
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AND I HEREBY covenant and agree such papers as may be necessary or of HPDC, its successors, or its assigns; cor all known facts respecting said Invention and sign all lawful papers (including, applications) relating to said Inventions, generally to do everything possible to air maintain, and enforce, for its or their own and Patents, provided the expenses while its successors, its assigns, its nominees,	desirable to perfect the title in municate to HPDC, its success, Applications for Patent, an without limitation, divisional Applications for Patent, and d HPDC, its successors, its as benefit, proper intellectual proch may be incurred by me in I	n said Inversessors, its as d Patents; to applications Patents; ar ssigns, its no operty prote	ntions, Applications for ssigns, its nominees, or estify in any legal or a , continuation applica and make all rightful or ominees, and its legal ction for said Invention	r Patent, and Patents, to r its legal representatives, dministrative proceedings tions, CIPs, and reissue ths and declarations and representatives to obtain, s, Applications for Patent,
IN WITNESS WHEREOF, I hereunt	to set my hand and seal:	(1	Novembe	2r 2019
Inventor's Signature	Λ	Day	Month	Year Year
James A. Feinn	nily Name	-		

Rev 8/2018 (HPDC Assignment)

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

RECORD ID:	85807682
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### **ASSIGNMENT OF PATENT APPLICATION**

transfer and here having its princip and interest, incl	eby assign and transfoal place of business	er to HEWLETT-PACKARD DEV in Spring, Texas, (hereinafter "h ority, in, to, and under an applica ner language):	/ELOPMEN IPDC"), its s	T COMPANY, L.P., a successors, and its as	Texas Limited Partnership signs, my entire right, title,
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Filing Date:	13 Nov 2019	Application No.:	PCT/U	S2019/061319	Patent Office: US;
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Rev 8/2018 (HPDC Assignment)

PATENT APPLICATION HP Inc. 3390 E. Harmony Road Mail Stop 35 RECORD ID: 85807682 Fort Collins, Colorado 80528

## **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

and interest, inc	pal place of business in Spring duding all rights of priority, in, t on for patent is in another langu	o, and under an applica	IPDC"), its su tion for pater	uccessors, and its as it entitled (English-lar	signs, my entire right, title, nguage title in parentheses
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In WITNES Inventor's Signal Garrett E. Clark		my hand and seal:	13 Day	Month	<u> 2017</u> Year

Rev 8/2018 (HPDC Assignment)

Given (First and Middle) Name(s)

Family Name

**PATENT REEL: 059708 FRAME: 0074** 

**RECORDED: 04/28/2022**