PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 Assignment ID: PATI381635

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
HP PRINTING AND COMPUTING SOLUTIONS, S.L.U.	02/22/2021
Judson M. Leiser	07/13/2018
David Olsen	07/13/2018
Michael E. Peterschmidt	07/13/2018
Lynn A. Collie	07/13/2018
Paul Allan Osborne	07/17/2018
Wesley R. Schalk	07/13/2018
Ronald J. Ender	07/18/2018
Paul Mark Haines	07/12/2018
Roger J. Kolodziej	07/13/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18135727

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50866649 PATENT REEL: 068062 FRAME: 0491

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DATE SIGNED:	07/23/2024
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PATENT REEL: 068062 FRAME: 0492

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

PATENT APPLICATION

RECORD ID:	84974100
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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 aff	iliates, agree to assign and tra	nsfer and hereby assign ar	exas, (nereinatter HPDC), and to its nd transfer to HPDC, its successors and to and under an application for Patent
PRINT LIQUID SUI	PPLY		
Filing Date:	13 Jul 2018	Application No.	:PCT/US2018/041926
divisionals, and ren	ewals of and substitutes for sa	aid application for said Pate	ntinuations, continuations-in-part (C-l-P's) ent, and any and all other Patent of an , or reexaminations, or extensions of said
by HPDC, its succest Patent respectively	ssors, assigns, nominees or leg	al representatives, to the fu tended, as fully and entirely	ent in any country, to be held and enjoyed Il end of the term or terms for which said as the same would have been held and
executed and will no time a request is ma perfect the title to sa nominees or legal re said invention(s) or i papers, to execute rightful oaths and de legal representatives	t execute any agreement in cor de, and without undue delay, ex id invention(s) or improvement(s) presentatives, and I/we agree to mprovement(s), said application all disclaimers and divisionals, clarations, and generally to do e to obtain and enforce, for its by and all countries provided the	offlict herewith, and I/we furth- tecute and deliver all such pa s), said application and said to communicate to HPDC, or and said Patent, to testify in continuations, C-I-P's, reiss verything possible to aid HPI for their own benefit, proper	est herein assigned, and that I/we have not be recovered and agree that I/we will, each apers as may be necessary or desirable to Patent, to HPDC, its successors, assigns to its nominee, all known facts respecting n any legal proceedings, to sign all lawful sue and foreign applications, to make a DC, its successors, assigns, nominees and patent protection for said invention(s) our red by me/us in lending such cooperation
applications as afore invention(s) or impr	esaid, to issue to HPDC, as ass	signee of the entire right, title	tries whose duty it is to issue patents or e and interest, any and all Patent for said a result of the application aforesaid, in
			ing date and application number of saids soon as the same shall have been made
IN WITNESS W	HEREOF, I/we hereunto set m	ny/our hand(s) and seal(s):	
Jule	on flut	Date	7/13/2018
lilveitor s Signature		Date	,
Jadson M.	Leiser		
First/Middle Name	Last Name		
How	1 Clair	4-	7-13-18
Inventor's Signature		Date	
David	Olsen		
First/Middle Name	Last Name		
Rev 8/2014 (Assignment)		Page 1 of 3	

PATENT REEL: 068062 FRAME: 0493 HP Inc. 3390 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84974100
	ASSISTMENT OF PATENT	APPLICATION (conf	t.)
Miles	I June wit	7/	13/2018
Inventor's Signature	The state of the s	Date	
Michael E.	Peterschmidt		
First/Middle Name	Last Name	general and a first first war work of the communities of the community of	
Inventor's Signature	ŧ .	Date	
Lynn A.	Collie		
First/Middle Name	Last Name		
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Inventor's Signature		Date	
Paul Allan	Osborne		
First/Middle Name	Last Name	OF CHILDREN AS A CO. OF	
Inventor's Signature		Date	community of the commun
Wesley R.	Schalk		
First/Middle Name	Last Name	PERSONAL BERNARD MALAMANA	
Inventor's Signature	rty fan t das y dy riaminismin aman majorism projekt også når at note.	Date	9 H 3 F 4
Ronald J.	l'and au		
First/Middle Name	Ender Last Name	PORTUGALO PROSE DE CASE PARA ANA	
Inventor's Signature		Date	
		Date	
Paul Mark	Haines		
First/Middle Name	Last Name		

Rev 8/2014 (Assignment)

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 8	30528	RECORD ID:	84974100
	ASSIGNMENT OF PA	TENT APPLICATION (col	nt.)
Roger !	Colodij		113/18
Inventor Signature		Date	
Roger J.	Kolodziej		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Steve A.	O'Hara		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
Steve A	O'Hara		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
nventor's Signature		Date	
First/Middle Name	Last Name		

Page 3 of 3

PATENT REEL: 068062 FRAME: 0495

PATENT APPLICATION

RECORD ID: _	84974100
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ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date
Michael E.	Peterschmidt	
First/Middle Name	Last Name	•
VI /	M	2/2/- 2
Jana Cal	165	7/13/2018
Inventor's Signature		Date
Lynn A.	Collie	
First/Middle Name	Last Name	**************************************
Inventor's Signature		Date
		Date
Paul Allan	Osborne	
First/Middle Name	Last Name	
Inventor's Signature		Date
Wesley R.	Schalk	
First/Middle Name	Last Name	
Inventor's Signature	677 SHIRP WE'D THOMAS	Date
Ronald J.	Ender	
First/Middle Name	Last Name	
Inventor's Signature		Date
Paul Mark	Haines	
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Rev 8/2014 (Assignment)

PATENT APPLICATION

84974100

RECORD ID: _

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date
Roger J.	Kolodziej	
First/Middle Name	Last Name	7/16/2018
Inventor's Signature	**************************************	Date
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Inventor's Signature		Date
First/Middle Name	Last Name	7/16/2018
Inventor's Signature	Talin)	Date
Steve A	O'Hara	
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
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Page 3 of 3

Rev 8/2014 (Assignment)

PATENT APPLICATION

84974100 RECORD ID: _

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date
Michael E.	Peterschmidt	
First/Middle Name	Last Name	
Inventor's Signature		Date
inventor's Signature		Date
Lynn A.	Collie	
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		,
Saul Offer	ul_	7/17/2018
Inventor's Signature		Date /
Paul Allan	Osborne	
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Inventor's Signature		Date
Wesley R.	Schalk	
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Ronald J.	Ender	
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Inventor's Signature		Date
Paul Mark	Haines	
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Page 2 of 3

REEL: 068062 FRAME: 0498

HP Inc. 3390 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84974100
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Inventor's Signature		Date	
Michael E.	Peterschmidt		
First/Middle Name	Last Name		
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Lynn A.	Collie		
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Inventor's Signature		Date	
Paul Allan	Osborne		
First/Middle Name	Last Name		
Waley 15 La	./L	Date	-13-2018
		Sale	
Wesley R.	Schalk		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Ronald J.	Ender		
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Inventor's Signature	**	Date	-
Paul Mark	Haines		
First/Middle Name	Last Name		

PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION (cont.)

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Inventor's Signature	and the same of th	Date
Michael E.	Peterschmidt	
First/Middle Name	Last Name	
Inventor's Signature		Date
Lynn A.	Collie	
First/Middle Name	Last Name	
Inventor's Signature		Date
Paul Allan	Osborne	
First/Middle Name	Last Name	
Inventor's Signature		Date
Wesley R.	Schalk	
First/Middle Name	Last Name	7/18/2018
Inventor's Signature	7 000	Date // 10 / 2010
Ronald J.	Ender	
First/Middle Name.	Last Name	
Inventor's Signature		Date
Paul Mark	Haines	
First/Middle Name	Last Name	

Rev 8/2014 (Assignment)

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

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84974100	
	ASSIGNMENT OF PAT	ENT APPLICATION (con	t.)	
Inventor's Signature		Date		
Michael E.	Peterschmidt			
First/Middle Name	Last Name			
Inventor's Signature		Date		
Lynn A.	Collie			
First/Middle Name	Last Name			
Inventor's Signature		Date		
Paul Allan	Osborne			
First/Middle Name	Last Name			
inventor's Signature		Date		
Wesley R.	Schalk			
First/Middle Name	Last Name			
nventor's Signature		Date		
Ronald J.	Ender			
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Paul Mark	Hair		2-2015	
nventor's Signature	/	Date		
Paul Mark	Haines			
First/Middle Name	Last Name			

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