#### 506668776 05/18/2021

# PATENT ASSIGNMENT COVER SHEET

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**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHELL S. SIMPSON	08/02/2016
JEFFERSON P. WARD	08/02/2016
STEPHEN D. PANSHIN	08/02/2016
DAVID B. NOVAK	08/01/2016

#### 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:	17323339	

#### **CORRESPONDENCE DATA**

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**Correspondent Name:** HP INC.

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ATTORNEY DOCKET NUMBER: 86027671 NAME OF SUBMITTER: STEVEN L. NICHOLS /Steven L. Nichols/ **SIGNATURE: DATE SIGNED:** 05/18/2021

**Total Attachments: 6** 

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> PATENT REEL: 056275 FRAME: 0076

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

Rev 8/2014 (Assignment)

#### PATENT APPLICATION

390 E. Harmony Road		
ail Stop 35		0.4.400.000
ort Collins, Colorado 80528	RECORD ID:	84489689

# **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

	and hereby assign and transfer to HPDC, its successors and e right of priority, in, to and under an application for Patent
DIGITALLY SIGNED DATA	
Filing Date: August 3, 2016	Application No.: PCT/US2016/045279
divisionals, and renewals of and substitutes for said ap	n, and any and all continuations, continuations-in-part (C-I-P's) plication for said Patent, and any and all other Patent of any fore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assigns, nominees or legal rep	n my/our name for Patent in any country, to be held and enjoyed presentatives, to the full end of the term or terms for which said d, as fully and entirely as the same would have been held and en made;
executed and will not execute any agreement in conflict he time a request is made, and without undue delay, execute perfect the title to said invention(s) or improvement(s), said nominees or legal representatives, and I/we agree to com- said invention(s) or improvement(s), said application and papers, to execute all disclaimers and divisionals, contin- rightful oaths and declarations, and generally to do everyth legal representatives to obtain and enforce, for its or the	convey the entire interest herein assigned, and that I/we have no erewith, and I/we further covenant and agree that I/we will, each and deliver all such papers as may be necessary or desirable to dapplication and said Patent, to HPDC, its successors, assigns municate to HPDC, or to its nominee, all known facts respecting said Patent, to testify in any legal proceedings, to sign all lawfunuations, C-I-P's, reissue and foreign applications, to make an ing possible to aid HPDC, its successors, assigns, nominees and ing possible to aid HPDC, its successors, assigns, nominees and ing benefit, proper patent protection for said invention(s) on sees which may be incurred by me/us in lending such cooperation
applications as aforesaid, to issue to HPDC, as assignee	of any country or countries whose duty it is to issue patents or of the entire right, title and interest, any and all Patent for said nd granted on or as a result of the application aforesaid, in
	ecord to insert the filing date and application number of said title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our	r hand(s) and seal(s): $ \begin{array}{c c} \hline & & & \\ \hline $
Shell S. Simpson	·
First/Middle Name Last Name	· · · · · · · · · · · · · · · · · · ·
Inventor's Signature	Date
Jefferson P. Ward	
First/Middle Name Last Name	

Page 1 of 2

**PATENT** 

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

# PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	84489689
	ASSIGNMENT OF PA	TENT APPLICATION (cont	.)
L		Date	
Inventor's Signature		Date	
Stephen D.	Panshin		
First/Middle Name	Last Name		
Inventor's Signature		Date	
David B.	Novak		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature	•	Date	
First/Middle Name	Last Name		

Date

Page 2 of 2

Last Name

Inventor's Signature

First/Middle Name

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HP Inc. 3390 E. Harmony Road			PATE	NT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	8448	9689
I/We, the undersigned (eac and in furtherance of my/our Limited Partnership having its subsidiaries and affiliates, agre assigns, the entire right, title a entitled:	obligations to HEWLETT- s principal place of busine e to assign and transfer and	onsideration, the re PACKARD DEVEL less in Houston, T I hereby assign an	ceipt of which is here OPMENT COMPAR exas, (hereinafter I d transfer to HPDC.	NY, L.P., a Texas HPDC), and to its its successors and
Filing Data: August 2, 2016		Ameliantian Ma	PCT/US2016/	(045270
Filing Date: August 3, 2016 and the invention(s) and improv divisionals, and renewals of an countries thereto which may be Patent.	ement(s) set forth therein, a d substitutes for said applic	ation for said Pate	tinuations, continuations, and all (	ons-in-part (C-I-P's), other Patent of any
I/we additionally authorize H by HPDC, its successors, assign Patent respectively may be gran enjoyed by me/us had this assign	ited, reissued or extended, a	entatives, to the full is fully and entirely	end of the term or t	erms for which said
AND liwe hereby covenant to executed and will not execute an time a request is made, and with perfect the title to said invention(nominees or legal representative said invention(s) or improvement papers, to execute all disclaims rightful oaths and declarations, ar legal representatives to obtain a improvement(s) in any and all count and assistance are paid by HPDC	ly agreement in conflict heres out undue delay, execute and s) or improvement(s), said ag s, and I/we agree to commun (s), said application and said its and divisionals, continual and generally to do everything and enforce, for its or their o untries provided the expenses	with, and I/we further deliver all such particulation and said I nicate to HPDC, or I Patent, to testify in ions, C-I-P's, reissipossible to aid HPD win benefit, proper	r covenant and agree pers as may be necest Patent, to HPDC, its so to its nominee, all kno any legal proceeding and foreign applic C, its successors, assepatent protection for	s that I/we will, each ssary or desirable to successors, assigns, own facts respecting gs, to sign all lawful cations, to make all signs, nominees and said invention(s) or
AND I/we hereby authorize applications as aforesaid, to issu invention(s) or improvement(s) accordance with the terms of this	e to HPDC, as assignee of the which may be issued and the same of	the entire right, title	and interest, any and	d all Patent for said
I/we further authorize and application for Patent, now identif known to them.	direct the attorneys of recorded by the Record ID and title	rd to insert the filir set forth above, as	g date and applicati soon as the same sh	on number of said all have been made
IN WITNESS WHEREOF, I/V	ve hereunto set my/our ha	nd(s) and seal(s):		
inventor's Signature				<u></u>
Shell S.	Simpson			
First/Middle Name	Last Name			
alles 7 Vol		2	AUG 2016	<b>*</b>
Inventor's Signature		Date		
Jefferson P.	Ward			
First/Middle Name	Last Name			

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339	0 E. Harmony Road
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	Colline Colorado 80528

# PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	84489689
	ASSIGNMENT OF PA	ATENT APPLICATION (coi	nt.)
Sup O Pand		Date	4 2016
Inventor's Signature		Date	
Stephen D.	Panshin		
First/Middle Name	Last Name		
Inventor's Signature		Date	
David B.	Novak		
First/Middle Name	Last Name		
Inventor's Signature		Date	
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Page 2 of 2

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Fort Collins, Colorado 80528

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RECORD ID:	84489689	

# ASSIGNMENT OF PATENT APPLICATION

)/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

Rev 8/2014 (Assignment)

subsidiaries and affiliates,	agree to assign and transfer a	nd hereby assign and tran	(hereinafter HPDC), and to its ister to HPDC, its successors and d under an application for Patent
DIGITALLY SIGNED DAT	A		
Filing Date: August 3	2016	Application No.:	PCT/US2016/045279
divisionals, and renewals o	f and substitutes for said appli	cation for said Patent, an	ions, continuations-in-part (C-t-P's) id any and all other Patent of any examinations, or extensions of said
by HPDC, its successors, a Patent respectively may be	ssigns, nominees or legal repre	sentatives, to the full end as fully and entirely as th	any country, to be held and enjoyed of the term or terms for which said e same would have been held and
executed and will not execu- time a request is made, and perfect the title to said inver- nominees or legal represent said invention(s) or improve papers, to execute all disclaration rightful oaths and declaration legal representatives to obte	te any agreement in conflict her without undue delay, execute an ation(s) or improvement(s), said atives, and I/we agree to commonent(s), said application and sa aimers and divisionals, continuations, and generally to do everything ain and enforce, for its or their all countries provided the expensi-	ewith, and I/we further covind deliver all such papers application and said Paten unicate to HPDC, or to its id Patent, to testify in any ations, C-I-P's, reissue argossible to aid HPDC, its own benefit, proper pater	ein assigned, and that I/we have no enant and agree that I/we will, each as may be necessary or desirable to t, to HPDC, its successors, assigns nominee, all known facts respecting legal proceedings, to sign all lawfu id foreign applications, to make all successors, assigns, nominees and the protection for said invention(s) or by me/us in lending such cooperation
applications as aforesaid, to	issue to HPDC, as assignee of t(s) which may be issued and	f the entire right, title and	whose duty it is to issue patents or interest, any and all Patent for said uit of the application aforesaid, in
I/we further authorize application for Patent, now kinown to them.	and direct the attorneys of red dentified by the Record ID and til	ord to insert the filing date set forth above, as soon	te and application number of said as the same shall have been made
IN WITNESS WHEREO	F, I/we hereunto set my/our h	and(s) and seal(s):	
Inventor's Signature		Date	
Shell S.	Simpson		
First/Middle Name	Last Name		
Inventor's Signature		Date.	
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Jefferson P. First/Middle Name	Ward Last Name		
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Page 1 of 2

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# PATENT APPLICATION

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Stephen D.	Panshin	
First/Middle Name	Last Name	
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Inventor a Signature		Date
David 8.	Novak	
First/Middle Name	Last Name	
Inventor's Signature	······································	Date
First/Middle Name	Last Name	
Inventor's Signature		Date
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Inventor's Signature		Date
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