505325296 02/12/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5372077

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TARA J. AGEN	06/23/2016
GLENN A. WONG	06/24/2016
RAMONA K. SCHODIN	06/24/2016
DUSTIN HOFFMAN	06/24/2016

### **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:	16098122

### **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:** (541)715-8443 **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: 85041810

NAME OF SUBMITTER: ANGELA D. BOLTJES

SIGNATURE: /Angela D. Boltjes/

DATE SIGNED: 02/12/2019

**Total Attachments: 4** source=85041881#page1.tif

source=85041881#page2.tif

source=85041881#page3.tif

PATENT REEL: 048310 FRAME: 0777

505325296

source=85041881#page4.tif

PATENT REEL: 048310 FRAME: 0778

HP Inc.	
3390 E. Harmony Road	
Mail Stop 35	
Fort Collins, Colorado 8052	8

### PATENT APPLICATION

	RECORD ID:	84489032
	RECORD ID:	84489032

## **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 affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

assigns, the entire right, entitled: FRAME TO REMOVABL		ig the right of priority, in, to and unc	der an application for Patent
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
Filing Date:		Application No.:	
divisionals, and renewals	of and substitutes for sa	erein, and any and all continuations, d application for said Patent, and an herefore; and any reissues, or reexam	y and all other Patent of any
by HPDC, its successors.	assigns, nominees or leg e granted, reissued or ex	ons in my/our name for Patent in any c I representatives, to the full end of the ended, as fully and entirely as the sar of been made;	e term or terms for which said
executed and will not execute a request is made, ar perfect the title to said invenominees or legal represe said invention(s) or improvement, to execute all disrightful oaths and declaratilegal representatives to olimprovement(s) in any and and assistance are paid by	cute any agreement in cornd without undue delay, exention(s) or improvement(intatives, and I/we agree to rement(s), said application sclaimers and divisionals, ons, and generally to do explain and enforce, for its all countries provided the HPDC;	It to convey the entire interest herein as lict herewith, and I/we further covenant cute and deliver all such papers as may, said application and said Patent, to be communicate to HPDC, or to its nominand said Patent, to testify in any legal continuations, C-I-P's, reissue and for erything possible to aid HPDC, its succer their own benefit, proper patent proexpenses which may be incurred by medical of any country or countries whose	and agree that I/we will, each by be necessary or desirable to PDC, its successors, assigns, nee, all known facts respecting proceedings, to sign all lawfu eign applications, to make all essors, assigns, nominees and tection for said invention(s) or fus in lending such cooperation
applications as atoresaid,	to issue to HPDC, as ass ent(s) which may be issi	cial of any country or countries whose gnee of the entire right, title and intere ed and granted on or as a result of	st, any and all Patent for said
I/we further authorize application for Patent, now known to them.	and direct the attorney. identified by the Record I	of record to insert the filing date an and title set forth above, as soon as the	d application number of said te same shall have been made
`IN WITNESS WHERE	OF, I/we hereunto set m	/our hand(s) and seal(s):	
WAA AC		6.23.1	6
Inventor's Signature		Date	***************************************
TaraJ	Agen		
First/Middle Name	Last Name		
Inventor's Signature	***************************************	Date	
	_ * .	Date	
Ramona K.	Schodin		
First/Middle Name	Last Name		
Rev 8/2014 (Assignment)		Page 1 of 2	

PATENT REEL: 048310 FRAME: 0779 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

## PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84489032
	ASSIGNMENT OF PA	TENT APPLICATION (cont.)	
Inventor's Signature		Date	
Dustin	Hoffman		
First/Middle Name	Last Name	6	24/16
Inventor's Signa		Date	
Glenn A.	Wong		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
nventor's Signature		Date	
First/Middle Name	Last Name		
nventor's Signature		Date	
First/Middle Name	Last Name		
nventor's Signature		Date	
First/Middle Name	Last Name		

Page 2 of 2

HP Inc.	
3390 €. Harn	nony Road
Mail Stop 35	
Fort Collins, (	Colorado 80528

Rev 8/2014 (Assignment)

	a.	TE	***	××	 100	 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

RECORD ID:	84489032
MOPE & SINCE STOPE	£\$999982731343Z

### ASSIGNMENT OF PATENT APPLICATION

IWe, 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

	title and interest, including	sfer and hereby assign and transfer to HPDC, its age the right of priority, in, to and under an application	
Filing Date:		Application No.:	
divisionals, and renewals	of and substitutes for said	erein, and any and all continuations, continuations d application for said Patent, and any and all other nerefore; and any reissues, or reexaminations, or ex	er Patent of any
by HPDC, its successors, Patent respectively may b	assigns, nominees or lega	ons in my/our name for Patent in any country, to be I I representatives, to the full end of the term or term anded, as fully and entirely as the same would have of been made;	ns for which said
executed and will not executive a request is made, an perfect the title to said invention or improvements and invention(s) or improvements, to execute all disrightful oaths and declarational representatives to of	cute any agreement in conflict without undue delay, exe ention(s) or improvement(s) intatives, and I/we agree to rement(s), said application claimers and divisionals, cons, and generally to do evotain and enforce, for its of all countries provided the e	It to convey the entire interest herein assigned, and it ict herewith, and I/we further covenant and agree the cute and deliver all such papers as may be necessary, said application and said Patent, to HPDC, its such communicate to HPDC, or to its nominee, all known and said Patent, to testify in any legal proceedings, continuations, C-I-P's, reissue and foreign application of the processor of their own benefit, proper patent protection for said expenses which may be incurred by me/us in lending expenses which may be incurred by me/us in lending.	at I/we will, each ry or desirable to cessors, assigns a facts respecting to sign all lawfu ons, to make all as, nominees and id invention(s)
applications as aforesaid,	to issue to HPDC, as assigent(s) which may be issue	cial of any country or countries whose duty it is to gnee of the entire right, title and interest, any and a ed and granted on or as a result of the applicat	Il Patent for said
I/we further authorize application for Patent, now known to them.	and direct the attorneys identified by the Record ID	of record to insert the filing date and application and title set forth above, as soon as the same shall	number of said have been made
IN WITNESS WHERE	OF, I/we hereunto set my	/our hand(s) and seal(s):	
Inventor's Signature	<u></u>	Date	<del></del>
Tara J	Agen		
First/Middle Name	Last Name		
Kamon all	The state of the s	(/24/2016	
Inventor's Signature		Date Date	
Ramona K.	Schodin		
First/Middle Name	Last Name		

**PATENT REEL: 048310 FRAME: 0781** 

HP inc. 3390 E. Harmony Road			PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RE	CORD ID: _	84489032
ASSIG	NMENT OF PATENT APPL	CATION	(cont.)
D In			6/24/2014
Inventor's Signature	<del></del>	Date	4/24/2014
Dustin Hol	fman		
First/Middle Name Last	Name	-	
Inventor's Signature		Date	
Glenn A. Wo	na		
	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	-	
Inventor's Signature		Date	
First/Middle Name Last	Name	-	

Page 2 of 2

PATENT REEL: 048310 FRAME: 0782

Rev 8/2014 (Assignment)