10/10/2019 505716250

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JANINE LOUISE HELMS	04/18/2018
MARK FAHRENKRUG	04/18/2018
PATRICK O'DONNELL	04/18/2018
MATTHEW TOLLESTRUP	04/20/2018
TIMOTHY BLAIR	04/19/2018
SHANE KONSELLA	04/18/2018
KEVIN PEARSON	04/19/2018
LAURENT PIZOT	04/19/2018
COOPER URIE	04/23/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16604174

CORRESPONDENCE DATA

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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:	85790484
NAME OF SUBMITTER:	TRACY J. KIMMEL

PATENT REEL: 050672 FRAME: 0980 505716250

SIGNATURE:	/Tracy J. Kimmel/		
DATE SIGNED:	10/10/2019		
Total Attachments: 9			
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PATENT REEL: 050672 FRAME: 0981

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

RECORD ID:	84941374

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:

entitled:					
DEVICE DATA COLLEC	TOR AGENT COMPONENT	ON CLOUD COMP	JTING NETW	ORK	
Filing Date: April 24,	2018	Application N	lo.:PCT/	US18/29068	
divisionals, and renewals	mprovement(s) set forth then of and substitutes for said a ay be granted thereon or ther	application for said Pa	atent, and any	and all other Pate	nt of any
by HPDC, its successors, Patent respectively may be	orize HPDC to file applications assigns, nominees or legal ree granted, reissued or extendassignment, and transfer not be	epresentatives, to the led, as fully and entir	full end of the	term or terms for w	hich said
executed and will not exectime a request is made, an perfect the title to said invenominees or legal represer said invention(s) or improv papers, to execute all disrightful oaths and declaratic legal representatives to ob-	enant that I/we have full right to ute any agreement in conflict d without undue delay, execut ention(s) or improvement(s), s ntatives, and I/we agree to co ement(s), said application and claimers and divisionals, con ons, and generally to do every stain and enforce, for its or that all countries provided the expet HPDC;	herewith, and I/we further and deliver all such aid application and sammunicate to HPDC, d said Patent, to testifutinuations, C-I-P's, rething possible to aid Heir own benefit, propier own benefit, propier and deliver and the said Heir own benefit, propier own benefit, propier and deliver all such as deliver and deliver and deliver all such and deliver an	ther covenant papers as may id Patent, to H or to its nomin- y in any legal issue and fore PDC, its succe er patent prote	and agree that I/we y be necessary or de PDC, its successors ee, all known facts re proceedings, to sign eign applications, to issors, assigns, nomilection for said inven	will, each esirable to , assigns, especting all lawful make all inees and ition(s) or
applications as aforesaid, t	norize and request the official to issue to HPDC, as assigneent(s) which may be issued of this assignment.	e of the entire right, t	itle and interes	st, any and all Paten	it for said
I/we further authorize application for Patent, now known to them.	and direct the attorneys of identified by the Record ID an	record to insert the ad title set forth above,	filing date and as soon as the	d application numbe s same shall have be	r of said en made
IN WITNESS WHERE	OF, I/we hereunto set my/o	ur hand(s) and seal(s	s):		
Inventor's Signature	Louise Helms	Dat	april	18/2018	
Janine Louise	Helms		`		
First/Middle Name	Last Name				
Inventor's Signature		Date	9		
Mark	Fahrenkrug			7	
First/Middle Name	Last Name				
Rev 8/2014 (Assignment)	, · Pa	age 1 of 3	+		

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

RECORD ID:	84941374	

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged.

Limited Partnership h subsidiaries and affiliat	aving its principal pla es, agree to assign an	HEWLETT-PACKARD Ace of business in House ad transfer and hereby ass	DEVELOF ton, Texa sign and tr	MENT COMPANY, L.P., a Texas as, (hereinafter HPDC), and to its ansfer to HPDC, its successors and and under an application for Patent
DEVICE DATA COLLE	ECTOR AGENT COM	ONENT ON CLOUD CO	MPUTING	NETWORK
Filing Date: Apri	1 24, 2018	Application	n No.: _	PCT/US18/29068
divisionals, and renewa	ls of and substitutes for	or said application for said	l Patent,	ations, continuations-in-part (C-I-P's), and any and all other Patent of any reexaminations, or extensions of said
by HPDC, its successor	s, assigns, nominees of be granted, reissued of	or legal representatives, to or extended, as fully and e	the full en	n any country, to be held and enjoyed d of the term or terms for which said the same would have been held and
executed and will not extime a request is made, perfect the title to said in nominees or legal represaid invention(s) or implication papers, to execute all rightful oaths and declar legal representatives to	ecute any agreement in and without undue dela nvention(s) or improver sentatives, and I/we agr ovement(s), said applic disclaimers and division ations, and generally to obtain and enforce, fo and all countries provided	n conflict herewith, and I/wey, execute and deliver all stant(s), said application and ree to communicate to HPI sation and said Patent, to the last, continuations, C-I-P's do everything possible to a rits or their own benefit, I	e further couch papers I said Pate DC, or to it estify in ar , reissue id HPDC, i proper pat	erein assigned, and that I/we have not overlant and agree that I/we will, each is as may be necessary or desirable to ent, to HPDC, its successors, assigns, is nominee, all known facts respecting ity legal proceedings, to sign all lawful and foreign applications, to make all its successors, assigns, nominees and ent protection for said invention(s) or I by me/us in lending such cooperation
applications as aforesaid	d, to issue to HPDC, as ment(s) which may be	s assignee of the entire rig	ht, title an	whose duty it is to issue patents on d interest, any and all Patent for said esult of the application aforesaid, in
				date and application number of said on as the same shall have been made
IN WITNESS WHE	REOF, I/we hereunto s	et my/our hand(s) and se	eal(s):	
Inventor's Signature			Date	
Janine	Helms			
First/Middle Name	Last Name			
Tryank	2		4	/18/2018
Inventor's Signature			Date	•
Mark	Fahrenkrug			
First/Middle Name	Last Name			
Rev 8/2014 (Assignment)		Page 1 of 3		

HP Inc. 3390 E, Harmony Road			PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	84941374
/2	ASSIGNMENT OF PAT	ENT APPLICATION (con	L.)
1200 11	22 20		1-18-2018
Inventor's Signature		Date	
Patrick	O'Donnell		
First/Middle Name	Last Name		
		Elate	
Inventor's Signature		Pixto	
Matthew	Tollestrup		
First/Middle Name	East Name		
Inventor's Signature		Date	
Timothy	Blair		
First/Middle Name	Last Name		
Inventor's Signature		Dete	
Shane	Konsella		
First/Middle Name	Last Name		
		Date	
Inventor's Signature		7 - 11 -	
Kevin	Pearson		
First/Middle Name	Last Name		
impomen's Sociature		Date:	

Rev 8/2014 (Assignment)

inventor's Signature

First/Middle Name

Laurent

Page 2 of 3

Pizot

Last Name

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

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84941374
	ASSIGNMENT OF PAT	ENT APPLICATION (con	t.)
Inventor's Signature		Date	
Patrick	O'Donnell		
First/Middle Name	Last Name	·	
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Inventor's Signature	- Marchanes	Date	
Matthew	Tollestrup	·	
First/Middle Name	Last Name		
Inventor's Signature		 Date	
₹* 	21 to	2444	
Timothy First/Middle Name	Blair Last Name	——————————————————————————————————————	
inventor's Signature		Date	
Shane	Konsella		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Kevin	Pearson		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Laurent	Pizot		
First/Middle Name	Last Name		

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PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	84941374
	ASSIGNMENT OF PA	TENT APPLICATION (cont	-)
Inventor's Signature		Date	
Patrick	O'Donnell		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Matthew	Tollestrup		
First/Middle Name	Last Name		
Inventor's Signature		Date Date	ril 19,2018
Timothy	Blair		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Shane	Konsella		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Kevin	Pearson		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Laurent	Pizot	······	
First/Middle Name	Last Name		

HP Inc. 3390 E. Ha Mail Stop 3 Fort Collins

PATENT APPLICATION

3390 E. Harmony Koad			
Mail Stop 35 Fort Collins, Colorado 80528	RE	CORD ID:	84941374
ASS	IGNMENT OF PATENT APPL	.ICATION (cor	nt.)
Inventor's Signature		Date	
Patrick () Donnell		
	ast Name		
Inventor's Signature		Date	
Matthew 1	follestrup		
	ast Name	ač	
Inventor's Signature		Date	
Timothy E	Stair		
First/Middle Name I.	ast Name	•	
Jun /a	el	General de la Constantina del Constantina de la	18/18
Inventor's Signature		Date	
Shane F	Konsella		
First/Middle Name į	ast Name		
Inventor's Signature		Date	
Kevin F	Pearson		
	ast Name		
Inventor's Signature		Date	
Laurent F	Pizot		
First/Middle Name L	ast Name		

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Fort Collins, Colorado 80528		RECORD ID: 84941374
	ASSIGNMENT OF PAT	ENT APPLICATION (cont.)
Inventor's Signature		Date
Patrick	O'Donnell	
First/Middle Name	Last Name	
Inventor's Signature		Date
Matthew	Tollestrup	
First/Middle Name	Last Name	
Inventor's Signature		Date
Timothy	Blair	
First/Middle Name	Last Name	
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Shane	Konsella	
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Kuni le	eusen	4/19/18
nventor's Signature		Date
Kevin	Pearson	
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irst/Middle Name	Last Name	

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Fort Collins, Colorado 80	528

Fort Collins, Colorado 805	28	RECORD ID:	84941374
	ASSIGNMENT OF PA	TENT APPLICATION (con	it.)
Inventor's Signature		Date	
Patrick	O'Donnell		
First/Middle Name	Last Name		
Inventor's Signature			:
Matthew	Tollestrup		
First/Middle Name	Last Name		
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Inventor's Signature		Date	
Timothy	Blair		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Shane	Konsella		
First/Middle Name	Last Name		
Inventor's Signature		Date	
		Date	
Kevin First/Middle Name	Pearson		
cust/windcite name	Last Name		
Inventor's Signature			//9//8
Laurent	Pizot		
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Fort Collins, Colorado 80528

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\mathcal{A}	ASSIGNMENT OF PATE	ASSIGNMENT OF PATENT APPLICATION (cont.)			
Bon	Mued	4-23-	15		
Inventor's Signature		Date	<i>.</i> U		
Cooper	Urie				
First/Middle Name	Lasť Name				
Inventor's Signature		Date			
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Inventor's Signature		Date			
First/Middle Name	Lasť Name				
Rev 8/2014 (Assignment)	Page	3 of 3			

PATENT REEL: 050672 FRAME: 0990

RECORDED: 10/10/2019

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