# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6533580

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID CHAMPION	10/29/2018
PAVAN SURI	10/29/2018
JOHN LIEBESKIND	10/24/2018
RICHARD SEAVER	10/23/2018

#### **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:	17059072		

## **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.

Using a fax number, if provided; if that is unsuccessful, it will be sent via US I

Phone: (541)360-4450

**Phone:** (541)360-4450 **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:	85958561
NAME OF SUBMITTER:	JULIA CHURCH DIERKER
SIGNATURE:	/Julia Church Dierker, Reg. No. 33368/
DATE SIGNED:	02/04/2021

## **Total Attachments: 4**

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PATENT REEL: 055145 FRAME: 0617

# ASSIGNMENT OF PATENT APPLICATION

transfer and hereby assign and transfer and hereby assign and transfer and its principal place of busin title, and interest, including all riparentheses if said application for	ansfer to HEWLETT-P less in Houston, Tex ghts of priority, in, to	PACKARD DEV as, (hereinafter o, and under a	ELOPMENT "HPDC"), it	COMPANY, L.P., a successors, and i	i Texas Limited Partnership its assigns, my entire right,
SINTERING FURNACE					
Filing Date: November 2	5, 2020 Appl	ication No.:	17/059,	072	Patent Office: US ;
the subject matter, including any a herein "patent" refers to any form design rights, and utility model it country or region or under any int patent, any and all applications for said Inventions, any and all applications of, divisional applications of, natical application for patent for any of some or as a result of said Application of said Applications for Patent or said application for Patent or said Applications.	of intellectual properly ghts) (hereinafter "In emational agreement r patent directly or inc cations for patent fro and any and all cont onal-phase application aid Inventions) (herein ons for Patent (herein	protection inches ventions"); any for any of said directly claiming om which any of inuation application of, regional-pafter "Application application application application after proper said the control of the contr	uding, withou and all exi- Inventions ( priority to o application for tions of, cor chase applic ons for Pate	at limitation, invention sting and future ap- including, without ling r benefit of any app- or patent for any of atinuation-in-part ap- pations of, renewals of, any and all patentions.	in rights, utility patent rights plications for patent of any mitation, said application for lication for patent for any of said Inventions directly or plications (hereinafter CIPs of, and substitutes for any tents which may be granted
I HEREBY represent that I c entire right, title, and interest here conflict herewith;					
AND I HEREBY authorize Applications for Patent in its nan authorize HPDC, its successors, number, and patent office of said them;	e or in my name in its assigns, its nom	any country or inees, and its	region or u legal repres	inder any internatio sentatives to insert	nal agreement, and further the filing date, application
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IN WITNESS WHEREOF, I	ereunto set my hand	and seal:			
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Inventor's Signature "	addission of the same of the s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Day	Month	Year
David Champion					
Given (First and Middle) Name(s)	Family Name				

Rev 5/2018 (HPDC Assignment)

RECORD	ID:	85007626

#### 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 having its principal place of business in Housion, Texas, (hereinafter "HPDC"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

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Filing Date: November 25, 2020 Application No.: 17/059,072 Patent Office: US	
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the subject matter, including any and all inventions, improvements, and discoveries, set forth in said application for patent (as used herein "patent" refers to any form of intellectual property protection including, without limitation, invention rights, utility patent rights, design rights, and utility model rights) (hereinafter "Inventions"); any and all existing and future applications for patent of any country or region or under any international agreement for any of said Inventions (including, without limitation, said application for patent, any and all applications for patent directly or indirectly claiming priority to or benefit of any application for patent for any of said Inventions, any and all applications for patent from which any application for patent for any of said Inventions directly or indirectly claims priority or benefit, and any and all continuation applications of, continuation-in-part applications (hereinafter CIPs) of, divisional applications of, national-phase applications of, regional-phase applications of, renewals of, and substitutes for any application for patent for any of said Inventions) (hereinafter "Applications for Patent"); any and all patents which may be granted on or as a result of said Applications for Patent (hereinafter "Patents"); and any and all reissues, reexaminations, and extensions of said Applications for Patent or said Patents.

I HEREBY represent that I convey my full rights in all countries and regions and under all international agreements to the entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement in conflict herewith;

AND I HEREBY authorize HPDC, its successors, its assigns, its nominees, and its legal representatives to file said Applications for Patent in its name or in my name in any country or region or under any international agreement, and further authorize HPDC, its successors, its assigns, its nominees, and its legal representatives to insert the filing date, application number, and patent office of said application for patent, now identified by the Record ID and title set forth above, when known to them:

AND I HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to issue to HPDC, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer,

AND I HEREBY covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title in said Inventions, Applications for Patent, and Patents, to HPDC, its successors, or its assigns; communicate to HPDC, its successors, its assigns, its nominees, or its legal representatives, all known facts respecting said Inventions, Applications for Patent, and Patents; testify in any legal or administrative proceedings and sign all lawful papers (including, without limitation, divisional applications, continuation applications, CIPs, and reissue applications) relating to said Inventions, Applications for Patent, and Patents; and make all rightful oaths and declarations and generally to do everything possible to aid HPDC, its successors, its assigns, its nominees, and its legal representatives to obtain, maintain, and enforce, for its or their own benefit, proper intellectual property protection for said Inventions, Applications for Patent, and Patents, provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HPDC, its successors, its assigns, its nominees, or its legal representatives.

Rev 8/2018 (HPDC Assignment)

SINTERING FURNACE

RECORD	ID:	85007626

#### **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 having its principal place of business in Houston, Texas, (hereinafter "HPDC"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

Filing Date: November 25, 2020	_ Application No.:	17/059,072	Patent Office: US ;
the subject matter, including any and all invention		•	
herein "patent" refers to any form of intellectual		0.	
design rights, and utility model rights) (hereina	,,	,	
country or region or under any international agr	eement for any of sai	d Inventions (including,	without limitation, said application for
patent, any and all applications for patent direct	tly or indirectly claimir	ng priority to or benefit o	f any application for patent for any of
said Inventions, any and all applications for pa	atent from which any	application for patent 1	or any of said Inventions directly or
indirectly claims priority or benefit, and any and	all continuation applie	cations of, continuation-i	n-part applications (hereinafter CIPs)
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application for patent for any of said Inventions			
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of said Applications for Patent or said Patents.	•	"	,

I HEREBY represent that I convey my full rights in all countries and regions and under all international agreements to the entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement in conflict herewith:

AND I HEREBY authorize HPDC, its successors, its assigns, its nominees, and its legal representatives to file said Applications for Patent in its name or in my name in any country or region or under any international agreement, and further authorize HPDC, its successors, its assigns, its nominees, and its legal representatives to insert the filing date, application number, and patent office of said application for patent, now identified by the Record ID and title set forth above, when known to them:

AND I HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to issue to HPDC, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer;

AND I HEREBY covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title in said Inventions, Applications for Patent, and Patents, to HPDC, its successors, or its assigns; communicate to HPDC, its successors, its assigns, its nominees, or its legal representatives, all known facts respecting said Inventions, Applications for Patent, and Patents; testify in any legal or administrative proceedings and sign all lawful papers (including, without limitation, divisional applications, continuation applications, CIPs, and reissue applications) relating to said Inventions, Applications for Patent, and Patents; and make all rightful oaths and declarations and generally to do everything possible to aid HPDC, its successors, its assigns, its nominees, and its legal representatives to obtain, maintain, and enforce, for its or their own benefit, proper intellectual property protection for said Inventions, Applications for Patent, and Patents, provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HPDC, its successors, its assigns, its nominees, or its legal representatives.

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# **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 DE having its principal place of business in Houston, Texas, (hereinaftitle, and interest, including all rights of priority, in, to, and under parentheses if said application for patent is in another language):	er "HPDC"),	its successors, and	its assigns, my entire right,
SINTERING FURNACE			
Filing Date: November 25, 2020 Application No.:	17/059	,072	Patent Office: US
the subject matter, including any and all inventions, improvements, ar herein "patent" refers to any form of intellectual property protection indesign rights, and utility model rights) (hereinafter "Inventions"); ar country or region or under any international agreement for any of sai patent, any and all applications for patent directly or indirectly claimir said Inventions, any and all applications for patent from which any indirectly claims priority or benefit, and any and all continuation applient of, divisional applications of, national-phase applications of, regional application for patent for any of said Inventions) (hereinafter "Application or as a result of said Applications for Patent (hereinafter "Patents of said Applications for Patents.	cluding, with any and all education and all education application cations of collings for Partitions for Partit	nout limitation, inventi- existing and future ap- is (including, without loo or benefit of any ap- in for patent for any op- continuation-in-part ap- plications of, renewal- atent"); any and all pa-	on rights, utility patent rights, pplications for patent of any imitation, said application for plication for patent for any of said Inventions directly or oplications (hereinafter CIPs) s of, and substitutes for any atents which may be granted
I HEREBY represent that I convey my full rights in all countrie entire right, title, and interest herein assigned and transferred, and th conflict herewith;			
AND I HEREBY authorize HPDC, its successors, its assign Applications for Patent in its name or in my name in any country authorize HPDC, its successors, its assigns, its nominees, and it number, and patent office of said application for patent, now identified them;	or region o s legal rep	r under any internation resentatives to inser	onal agreement, and further the filing date, application
AND I HEREBY authorize and request the officials of all countried duty it is to issue patents, to issue to HPDC, its successors, or its as Patents, in accordance with the terms of this assignment and transfer	ssigns, as a		
AND I HEREBY covenant and agree that I will, each time a requision papers as may be necessary or desirable to perfect the title HPDC, its successors, or its assigns; communicate to HPDC, its succeall known facts respecting said Inventions, Applications for Patent, and sign all lawful papers (including, without limitation, divisional applications) relating to said Inventions, Applications for Patent, angenerally to do everything possible to aid HPDC, its successors, its amaintain, and enforce, for its or their own benefit, proper intellectual pand Patents, provided the expenses which may be incurred by me in its successors, its assigns, its nominees, or its legal representatives.	in said Invicessors, its and Patents; application d Patents; assigns, its roperty professors.	entions, Applications assigns, its nominees testify in any legal o as, continuation appl and make all rightful nominees, and its leg tection for said Invent	for Patent, and Patents, to s, or its legal representatives, or administrative proceedings lications, CIPs, and reissue oaths and declarations and gal representatives to obtain, ions, Applications for Patent,
IN WITNESS WHEREOF, I hereunto set my hand and seal:			
Inventor's Signature	23	OCTUBBL	2018
Inventor's Signature	Day	Month	Year
Richard Seaver			
Given (First and Middle) Name(s) Family Name			

Rev 8/2018 (HPDC Assignment)

**RECORDED: 02/04/2021**