507383201 07/13/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7430127

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN ROSSI	11/07/2018
ERIK D. NESS	03/29/2019
JAMES M. GARDNER	03/27/2019
SCOTT A. LINN	03/27/2019

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:	17863934

CORRESPONDENCE DATA

Fax Number:

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:
 12028315816

 Email:
 ipa.mail@hp.com

Correspondent Name: HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.

Address Line 1: 10300 ENERGY DRIVE Address Line 4: SPRING, TEXAS 77389

ATTORNEY DOCKET NUMBER:	86159878	
NAME OF SUBMITTER:	MARK A. PETERSON	
SIGNATURE:	/Mark A. Peterson/	
DATE SIGNED:	07/13/2022	

Total Attachments: 4

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PATENT 507383201 REEL: 060497 FRAME: 0568

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PATENT REEL: 060497 FRAME: 0569 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

	APPI	

RECORD ID:	85005998
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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 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):

EMULATING PARAMETERS OF A FLUID EJECTION DIE

Filing Date: 06 February 2019 Application No.: PCT/US2019/016832 Patent Office: US ;

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.

IN WITNESS WHEREOF, I hereunto set my hand and seal:	7 Day	November	20(8 Year
John Rossi			
Given (First and Middle) Name(s) Family Name	-		

Rev 8/2018 (HPDC Assignment)

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

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RECORD ID:	85005998
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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 DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Spring, 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):

THOUSE INTO PARAMETERS OF A FLOID ESECTION DIE			
Filing Date: 06 Feb 2019	Application No.: PCT/US2019/016832	Patent Office: US	

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

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.

IN WITNESS WHEREOF, I h	ereunto set my hand and seal:			
En DIN		29	March	2019
Inventor's Signature		Day	Month	Year
Erik D. Ness				
Given (First and Middle) Name(s)	Family Name	Artuurituu		

Rev 8/2018 (HPDC Assignment)

REEL: 060497 FRAME: 0571

Patent Office: US :

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

Filing Date: 06 Feb 2019

RECORD	ID:	85005998

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 Spring, 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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Application No.: PCT/US2019/016832

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IN WITNESS WHEREOF, I hereunto set my hand and seal:			
Am Much Il	27	3	19
Inventor's Signature	Day	Month	Year
James Michael Gardner			
Given (First and Middle) Name(s) Family Name			

Patent Office: US

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

Filing Date: 06 Feb 2019

of said Applications for Patent or said Patents.

RECORD	ID:	85005998

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EMULATING PARAMETERS OF A FLUID EJECTION DIE

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the subject m	atter, including any and	all inventions, improvemen	ts, and discoveries, set forth in sa	id application for patent (as used
herein "paten	t" refers to any form of ir	tellectual property protection	on including, without limitation, inv	ention rights, utility patent rights
design rights,	, and utility model right	s) (hereinafter "Inventions"	"); any and all existing and future	e applications for patent of any
country or reg	gion or under any interna	itional agreement for any	of said Inventions (including, witho	out limitation, said application for
patent, any ai	nd all applications for pa	tent directly or indirectly cl	laiming priority to or benefit of any	application for patent for any o
said Inventior	ns, any and all applicat	ons for patent from which	any application for patent for a	ny of said Inventions directly of
indirectly clair	ms priority or benefit, an	d any and all continuation	applications of, continuation-in-pa	rt applications (hereinafter CIPs)
of, divisional	applications of national	-phase applications of, req	gional-phase applications of, rene	wals of, and substitutes for any
application for	r patent for any of said	nventions) (hereinafter "Ap	oplications for Patent"); any and a	Il patents which may be granted
on or as a res	sult of said Applications	for Patent (hereinafter "Pa	tents"); and any and all reissues,	reexaminations, and extensions

Application No - PCT/US2019/016832

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IN WITNESS WHEREOF, I hereunto set my hand and seal:

Inventor's Signature

Given (First and Middle) Name(s)

Family Name

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