507256115 04/28/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7303036

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GALEN P. COOK	03/09/2018
GARRETT E. CLARK	03/12/2018
MICHAEL W. CUMBIE	03/09/2018
JAMES R. PRZYBYLA	03/09/2018
RICHARD SEAVER	03/09/2018
FRANK D. DERRYBERRY	03/09/2018
SILAM J. CHOY	03/08/2018

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:	17713200			

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.

3390 E. HARMONY ROAD MS 35 Address Line 1: Address Line 4: FORT COLLINS, COLORADO 80528

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NAME OF SUBMITTER:	JULIA CHURCH DIERKER
SIGNATURE:	/Julia Church Dierker, Reg. No. 33368/
DATE SIGNED:	04/28/2022

PATENT REEL: 059764 FRAME: 0263

Total Attachments: 2

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PATENT REEL: 059764 FRAME: 0264

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

Patent.

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RECORD ID:	84671657
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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:

NOZZLE ARRANGEMENTS AND SUPPLY CHANNELS

Filing Date: March 12, 2018	Application No.: PCT/US2018/022032
and the invention(s) and improvement(s) set forth therein, a	
divisionals, and renewals of and substitutes for said applic	cation for said Patent, and any and all other Patent of any
countries thereto which may be granted thereon or therefore	e; and any reissues, or reexaminations, or extensions of said

I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we 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 to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHERE	OF, I/we hereunto se	t my/our hand(s) an	d seal(s):	3			
Inventor's Signature	, , , , , , , , , , , , , , , , , , ,		Date	i	1	1	
Galen P	Cook						
First/Middle Name	Last Name						
				3	121	1/2	
Inventor's Signature			Date	······································	***********		***************************************
Garrett E	Clark						
First/Middle Name	Last Name						
Rev 8/2014 (Assignment)		Page 1 of 2					

HP Inc.			
3390 E. Harmony Road Mail Stop 35			PATENT APPLICATION
Fort Collins, Colorado 80528		RECORD ID:	84671657
, proving	ASSIGNMENT OF PATEN	T APPLICATION (con	t.)
may la		3-9-,	18
Inventor's Signature	n w	Date	<i>'O</i>
Michael W	Complete		
First/Middle Name	Cumbie Last Name		
James R.	Page	3/	9/18
Invertor's Signature	01	Date	
James R	Przybyla		
First/Middle Name	Last Name		
Pull w 4— Inventor's Signature	J480330444		<i>1</i> छ
Richard	Seaver		
First/Middle Name	Last Name		
Inventor's Signature Frank D First/Middle Name	Derryberry Last Name	Date Date	9/18
Invertor's Signature			2.214
Silam J	Choy		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		

Rev 8/2014 (Assignment) Page 2 of 2