PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VANESSA VERZWYVELT	07/21/2017
MATTHEW A. SHEPHERD	07/21/2017
ARTHUR H. BARNES	07/21/2017
WESLEY R. SCHALK	07/20/2017
HECTOR JOSE LEBRON	07/25/2017
JAKE WRIGHT	07/28/2017

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:	17579845

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.

Correspondent Name: HP INC.

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

ATTORNEY DOCKET NUMBER:	86111180
NAME OF SUBMITTER:	STEVEN L. NICHOLS
SIGNATURE:	/Steven L. Nichols/
DATE SIGNED:	01/20/2022

Total Attachments: 8

PATENT REEL: 058708 FRAME: 0126

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PATENT REEL: 058708 FRAME: 0127

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

PATENT APPLICATION

RECORD ID:	84630702
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ASSIGNMENT OF PATENT APPLICATION

and in furtherance of my/our Limited Partnership having its subsidiaries and affiliates, agre	obligations to HEWLETT-PACK principal place of business in the to assign and transfer and here	ration, the receipt of which is hereby acknowledged, ARD DEVELOPMENT COMPANY, L.P., a Texas Houston, Texas, (hereinafter HPDC), and to its by assign and transfer to HPDC, its successors and priority, in, to and under an application for Patent
MODULATING A THREE-DIMI	Ensional printer system e	ASED ON A SELECTED MODE
Filling Date:	Арр	lication No.:
divisionals, and renewals of and	d substitutes for said application t	y and all continuations, continuations-in-part (C-I-P's), or said Patent, and any and all other Patent of any any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assign Patent respectively may be gran	ns, nominees or legal representativ	name for Patent in any country, to be held and enjoyed es, to the full end of the term or terms for which said and entirely as the same would have been held and
executed and will not execute an time a request is made, and with perfect the title to said invention(nominees or legal representative said invention(s) or improvement papers, to execute all disclaime rightful oaths and declarations, ar legal representatives to obtain a improvement(s) in any and all column assistance are paid by HPDC	ry agreement in conflict herewith, a out undue delay, execute and deliv s) or improvement(s), said applicat s, and t/we agree to communicate (s), said application and said Pate ers and divisionals, continuations, nd generally to do everything possit and enforce, for its or their own be untries provided the expenses which ;	e entire interest herein assigned, and that I/we have not and I/we further covenant and agree that I/we will, each are all such papers as may be necessary or desirable to on and said Patent, to HPDC, its successors, assigns, to HPDC, or to its nominee, all known facts respecting at, to testify in any legal proceedings, to sign all lawful C-I-P's, reissue and foreign applications, to make all the to aid HPDC, its successors, assigns, nominees and melit, proper patent protection for said invention(s) or a may be incurred by me/us in lending such cooperation untry or countries whose duty it is to issue patents on
applications as aforesaid, to issu	ie to HPDC, as assignee of the er which may be issued and grante	tire right, title and interest, any and all Patent for said d on or as a result of the application aforesaid, in
		insert the filing date and application number of said orth above, as soon as the same shall have been made
JN_WITNESS WHEREOF, I/\	we hereunto set my/our hand(s)	and seal(s):
A and to de	4	7/21/2017
Inventor's Signature		Date
Vanessa	Verzwyvelt	
First/Middle Name	Last Name	***************************************
Inventor's Signature		Date
Matthew A.	Shepherd	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)	Page 1 of 2	

REEL: 058708 FRAME: 0128

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

PATENT APPLICATION

FOR Collins, Colorado 8052	<u>:8 </u>	RECORD ID:8	4630702
	ASSIGNMENT OF PA	ATENT APPLICATION (cont.)	
attra H- B	ames	21 Ju	L2017
Inventor's Signature		Date	
Arthur H.	Barnes		
First/Middle Name	Last Name		
Inventor's Signature		Date	
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Wesley R. First/Middle Name	Schalk	·	
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Inventor's Signature		Date	
Hector Jose	Lebron		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Jake	Wright		
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

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

PATENT APPLICATION

RECORD ID: 84630702
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ASSIGNMENT OF PATENT APPLICATION

and in furtherance of my/our of Limited Partnership having its subsidiaries and affiliates, agree	bligations to HEWLETT-PACK principal place of business ir to assign and transfer and here	eration, the receipt of which is hereby acknowledged, ARD DEVELOPMENT COMPANY, L.P., a Texas Houston, Texas, (hereinafter HPDC), and to its aby assign and transfer to HPDC, its successors and f priority, in, to and under an application for Patent
MODULATING A THREE-DIME	NSIONAL PRINTER SYSTEM	BASED ON A SELECTED MODE
Filing Date:	Ap _l	olication No.:
divisionals, and renewals of and	substitutes for said application	ny and all continuations, continuations-in-part (C-I-P's), for said Patent, and any and all other Patent of any any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assigns	, nominees or legal representati ed, reissued or extended, as full	name for Patent in any country, to be held and enjoyed ves, to the full end of the term or terms for which said y and entirely as the same would have been held and
executed and will not execute any time a request is made, and without perfect the title to said invention(s) nominees or legal representatives said invention(s) or improvement(s) papers, to execute all disclaimers rightful oaths and declarations, and legal representatives to obtain an improvement(s) in any and all cour and assistance are paid by HPDC; AND I/we hereby authorize a applications as aforesaid, to issue	agreement in conflict herewith, and undue delay, execute and delivation or improvement(s), said application, and I/we agree to communicate and divisionals, continuations, and divisionals, continuations, and generally to do everything possion denforce, for its or their own but tries provided the expenses which the tries are to HPDC, as assignee of the expense of th	e entire interest herein assigned, and that I/we have not and I/we further covenant and agree that I/we will, each ver all such papers as may be necessary or desirable to tion and said Patent, to HPDC, its successors, assigns, to HPDC, or to its nominee, all known facts respecting ent, to testify in any legal proceedings, to sign all lawful C-I-P's, reissue and foreign applications, to make all ble to aid HPDC, its successors, assigns, nominees and enefit, proper patent protection for said invention(s) or the may be incurred by me/us in lending such cooperation untry or countries whose duty it is to issue patents on ntire right, title and interest, any and all Patent for said ed on or as a result of the application aforesaid, in
I/we further authorize and d application for Patent, now identifie known to them.	irect the attorneys of record to ed by the Record ID and title set	insert the filing date and application number of said forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/w	e hereunto set my/our hand(s	and seal(s):
Inventor's Signature		Date
Vanessa	Verzwyvelt	
First/Middle Name	Last Name	
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Inventor's Signature		Date
Matthew A.	Shepherd	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)	Page 1 of 2	

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

PATENT APPLICATION

Fort Collins, Colorado 8052	8	RECORD ID: 84630702
	ASSIGNMENT OF PA	ATENT APPLICATION (cont.)
Inventor's Signature		Date
Arthur H.	Barnes	
First/Middle Name	Last Name	
Mylley 1 Si	Lalk	07-20-2017-
Inventor's Signature		Date
Wesley R.	Schalk	
First/Middle Name	Last Name	
Inventor's Signature		Date
Hector Jose	Lebron	
First/Middle Name	Last Name	
Inventor's Signature		Date
Jake	Wright	
First/Middle Name	Last Name	
Inventor's Signature		Date
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First/Middle Name	Last Name	
Inventor's Signature		Date
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Page 2 of 2

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

Rev 8/2014 (Assignment)

RECORD ID:	84630702

ASSIGNMENT OF PATENT APPLICATION

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

Limited Partnership ha subsidiaries and affiliate	ving its principal place of es, agree to assign and trans	LETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas business in Houston, Texas, (hereinafter HPDC), and to its fer and hereby assign and transfer to HPDC, its successors and g the right of priority, in, to and under an application for Paten
MODULATING A THRE	E-DIMENSIONAL PRINTE	R SYSTEM BASED ON A SELECTED MODE
Filing Date:		Application No.:
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by HPDC, its successors Patent respectively may	i, assigns, nominees or legal	ns in my/our name for Patent in any country, to be held and enjoye representatives, to the full end of the term or terms for which sainded, as fully and entirely as the same would have been held and been made;
executed and will not exe time a request is made, a perfect the title to said in nominees or legal repres- said invention(s) or impro- papers, to execute all di- rightful oaths and declara- legal representatives to of	ecute any agreement in conflicted without undue delay, executed wention(s) or improvement(s), entatives, and I/we agree to exement(s), said application a isclaimers and divisionals, cutions, and generally to do ever betain and enforce, for its ord all countries provided the exempts.	to convey the entire interest herein assigned, and that I/we have not therewith, and I/we further covenant and agree that I/we will, each the said application and said Patent, to HPDC, its successors, assigns communicate to HPDC, or to its nominee, all known facts respecting the said Patent, to testify in any legal proceedings, to sign all lawful continuations, C-I-P's, reissue and foreign applications, to make a rything possible to aid HPDC, its successors, assigns, nominees and their own benefit, proper patent protection for said invention(s) of the said invention in the said invention
applications as aforesaid	, to issue to HPDC, as assignent(s) which may be issue	ial of any country or countries whose duty it is to issue patents on nee of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
I/we further authoriz application for Patent, now known to them.	e and direct the attorneys widentified by the Record ID	of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHER	EOF, I/we hereunto set my,	our hand(s) and seal(s):
Inventor's Signature		Date
Vanessa	Verzwyvelt	
First/Middle Name	Last Name	·
Inventor's Signature	The state of the s	Date
Matthew A.	Shepherd	
First/Middle Name	Last Name	

Page 1 of 2

PATENT REEL: 058708 FRAME: 0132 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID: 84630702
	ASSIGNMENT OF PA	TENT APPLICATION (cont.)
nventor's Signature		Date
Arthur H.	Barnes	
First/Middle Name	Last Name	
nventor's Signature		Date
Wesley R.	Schalk	
First/Middle Name	Last Name	
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nventor's Signature	Andrew Comments	Date
Hector Jose	Lebron	
First/Middle Name	Last Name	
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Jake	Wright	
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RECORD ID:	84630702
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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 ıt

		fer and hereby assign and transfer to HPDC, its suc- the right of priority, in, to and under an application	
MODULATING A THRE	E-DIMENSIONAL PRINTE	R SYSTEM BASED ON A SELECTED MODE	
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IN WITNESS WHER	EOF, I/we hereunto set my	our hand(s) and seal(s):	
Inventor's Signature		 Date	
Vanessa	Verzwyvelt		
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Inventor's Signature		 Date	
Matthew A.	Shepherd		
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Rev 8/2014 (Assignment)		Page 1 of 2	

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3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	PATENT APPLICATION 84630702
	ASSIGNMENT OF PA	TENT APPLICATION (cont.)
nventor's Signature		Date	
Arthur H.	Barnes		
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Wesley R.	Schalk		
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Inventor's Signature		Date	
Hector Jose	Lebron		
First/Middle Name	Last Name		
Inventor's Signature		<u> よ8 ゴル</u> Date	2017
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Jake	Wright		
First/Middle Name	Last Name		
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Page 2 of 2