506015624 04/15/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6062336

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MURTHY SRIKANTOM	03/27/2020
WEIYUN SUN	03/27/2020
STEPHEN J. NICHOLS	03/27/2020

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:	16849176

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:
 360 212 4870

 Email:
 ipa.mail@hp.com

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD

Address Line 2: MAIL STOP 35

Address Line 4: FORT COLLINS, COLORADO 80528-9544

ATTORNEY DOCKET NUMBER:	85862205
NAME OF SUBMITTER:	BRENDA L. THOM
SIGNATURE:	/Brenda L. Thom/
DATE SIGNED:	04/15/2020

Total Attachments: 3

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PATENT 506015624 REEL: 052403 FRAME: 0725

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

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RECORD	35%	85862205
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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):

if said applicat	tion for patent is in another langu	age):	morrior par	eur eumed feui	giisti-language title in parentheses
CONTINUOL	JS MODE PRINTING				
Filing Date:	April 15, 2020	Application No.:	16/849	2176	Patent Office: US ;
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I HEREB\ entire right, title conflict herewit	z, and interest nerem assigned a	I rights in all countries nd transferred, and tha	and regior t I have not	ns and under a executed and	I international agreements to the will not execute any agreement in
authorize HPD	C, its successors, its assigns.	iame in any country of its nominees, and its	region or Jeast reas	under any inte	egal representatives to file said mational agreement, and further neert the filing date, application a set forth above, when known to
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_ (VL	SS WHEREOF, I hereunto set m	y hand and seal;	2 ")	03	9 8 2 4
nventor's Signa			Day	Month	Year Year
Murthy Srikar	***************************************				
on on transaction	Middle) Name(s) Family Nam	ଓ			

Rev 8/2018 (HPDC Assignment)

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

PATENT	APPI	80 A	TION

RECORD	ID:	858622	205

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the transfer and hereby assign and transfer to HEWLETT-PACKARD having its principal place of business in Spring, Texas, (hereinafte and interest, including all rights of priority, in, to, and under an application for patent is in another language):	DEVELOPME	NT COMPANY	, L.P., a Texas Limited Partnership
CONTINUOUS MODE PRINTING			
Filing Date: April 15, 2020 Application No.	16/849	9176	Patent Office: US
the subject matter, including any and all inventions, improvements herein "patent" refers to any form of intellectual property protection design rights, and utility model rights) (hereinafter "inventions"); country or region or under any international agreement for any of patent, any and all applications for patent directly or indirectly claims said inventions, any and all applications for patent from which a indirectly claims priority or benefit, and any and all continuation ap of, divisional applications of, national-phase applications of, region application for patent for any of said inventions) (hereinafter "Application or as a result of said Applications for Patent (hereinafter "Patent of said Applications for Patents.	any and all essaid inventions ming priority to may application plications of, contains plications for Po-	nout limitation, existing and fusion for the sound for the	invention rights, utility patent rights ture applications for patent of any thout limitation, said application for any application for patent for any or any of said Inventions directly or part applications (hereinafter CIPs) mewals of, and substitutes for any
I HEREBY represent that I convey my full rights in all count entire right, title, and interest herein assigned and transferred, and conflict herewith;	ries and region that I have no	ns and under t executed and	all international agreements to the I will not execute any agreement in
AND I HEREBY authorize HPDC, its successors, its assignations for Patent in its name or in my name in any countrauthorize HPDC, its successors, its assigns, its nominees, and number, and patent office of said application for patent, now identificen;	y or region or its lens) room	under any ini	ernational agreement, and further
AND I HEREBY authorize and request the officials of all count duty it is to issue patents, to issue to HPDC, its successors, or its Patents, in accordance with the terms of this assignment and transf	assions as a	ns and under a ssignee of my	all international agreements whose entire right, title, and interest, said
AND I HEREBY covenant and agree that I will, each time a reconsuch papers as may be necessary or desirable to perfect the till HPDC, its successors, or its assigns; communicate to HPDC, its subtherest its respecting said inventions, Applications for Patent, and sign all lawful papers (including, without limitation, division applications) relating to said inventions, Applications for Patent, agenerally to do everything possible to aid HPDC, its successors, its maintain, and enforce, for its or their own benefit, proper intellectual and Patents, provided the expenses which may be incurred by me its successors, its assigns, its nominees, or its legal representatives	ie in said Inveccessors, its a and Patents; al applications and Patents; a assigns, its n property prote in lending such	entions, Applications, Its non- testify in any last, continuation and make all ri- terminees, and action for said last.	ations for Patent, and Patents, to ninees, or its legal representatives, egal or administrative proceedings applications, CIPs, and reissue ghtful oaths and declarations and its legal representatives to obtain,
IN WITNESS WHEREOF, I hereunto set my hand and seal:			
riventor's Signature	2_7 Day	O 3	2020
Weiyun Sun	Gay	Month	Year
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

PATENT	APP	10	ATION

RECORD ID: 85862205	
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ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable transfer and hereby assign and transfer to HEV having its principal place of business in Spring, and interest, including all rights of priority, in, to if said application for patent is in another language.	Texas, (hereinafter "F and under an applica	PDC"\ %	NI COMPANY,	L.P., a Texas Limited Partnershi
CONTINUOUS MODE PRINTING				
Filing Date: April 15, 2020	_ Application No.:	16/849	176	Patent Office: US
the subject matter, including any and all invention herein "patent" refers to any form of intellectual passion rights, and utility model rights) (hereing country or region or under any international agreement, any and all applications for patent direct said Inventions, any and all applications for patent directly claims priority or benefit, and any and of, divisional applications of, national-phase application for patent for any of said Inventions) on or as a result of said Applications for Patent of said Applications for Patents.	property protection incl after "Inventions"); any eement for any of said ily or indirectly claiming atent from which any atl continuation applica plications of, regional- t (hereipafter "Applications")	uding, withing and all ending and all endings for particular application attions of, company for particular applications applications for particular applications for part	out limitation, in disting and future (including, with or benefit of an for patent for a continuation-in-prications of, ren	vention rights, utility patent rights re applications for patent of an audit limitation, said application for y application for patent for any cash of said inventions directly cart applications (hereinafter CIPs ewals of, and substitutes for an applications of and substitutes for an applications of the said transmissions.
I HEREBY represent that I convey my full entire right, title, and interest herein assigned an conflict herewith;	rights in all countries ad transferred, and that	and region I have not	s and under all executed and t	I international agreements to the will not execute any agreement in
AND I HEREBY authorize HPDC, its sur Applications for Patent in its name or in my na authorize HPDC, its successors, its assigns, in number, and patent office of said application for them;	athe in any country or ts nominees and its	fegion or legal repre	under any inte	mational agreement, and furthe
AND I HEREBY authorize and request the duty it is to issue patents, to issue to HPDC, its Patents, in accordance with the terms of this assi	SUCCESSORS OF HS 255	and region gns, as as	is and under all signee of my ei	international agreements whose ntire right, title, and interest, said
AND I HEREBY covenant and agree that I we such papers as may be necessary or desirable such papers as may be necessary or desirable HPDC, its successors, or its assigns; communicated all known facts respecting said inventions, Application and sign all lawful papers (including, without applications) relating to said inventions, Applications) relating to said inventions, Applications) relating to said inventions, Applications, and enforce, for its or their own benefit, and Patents, provided the expenses which may be the successors, its assigns, its nominees, or its legitimes.	of to perfect the title in the to HPDC, its succest cations for Patent, and limitation, divisional a ditions for Patent, and the its successors, its as- proper intellectual pro- be incurred by me in le-	said Inver ssors, its as i Patents; to pplications, Patents; an signs, its no	ntions, Applications, its nominations, its nomination is continuation and make all right princes, and its princes, and its princes, and its princes.	ions for Patent, and Patents, to nees, or its legal representatives, all or administrative proceedings applications, CIPs, and reissue applications and declarations and a legal representatives to obtain,
IN WITNESS WHEREOF, I hereunto set my	hand and seal:			
Inventor's Signature	and born	27	03	2020
Stephen J. Nichols		Day	Month	Year
Given (First and Middle) Name(s) Family Name				

Rev 8/2018 (HPDC Assignment)

PATENT REEL: 052403 FRAME: 0728