PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTHONY D. STUDER	11/19/2018
DAVID OLSEN	11/19/2018

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:	16771308

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	85891367
NAME OF SUBMITTER:	JOSEPH T. JASPER
SIGNATURE:	/Joseph T. Jasper/
DATE SIGNED:	08/20/2020

Total Attachments: 2

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PATENT 506213421 REEL: 053552 FRAME: 0986

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

RECORD ID: 85006807

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):

Printable liq	uid supply cartridges				
Filing Date:	2018-12-03	Application No.:	PCT/US20	18/063649	Patent Office: US ;
the subject ma herein "patent' design rights, country or reg patent, any an said Invention indirectly claim of, divisional a application for on or as a rest	atter, including any and all in "refers to any form of inteller and utility model rights) (h ion or under any internations d all applications for patent s, any and all applications as priority or benefit, and any applications of, national-pha: patent for any of said Inver ult of said Applications for Patent ons for Patent or said Patents	ventions, improvements, an ctual property protection ince ereinafter "Inventions"); any al agreement for any of said directly or indirectly claimin for patent from which any y and all continuation applic se applications of, regional- titions) (hereinafter "Applicat tent (hereinafter "Patents");	d discoveries luding, without all exist all exist all exist all exist all exist all exist all exists are application for applications of, contacts applications of contacts and contacts applications of contacts and contacts applications of contacts and contacts are applicated	at limitation, invention sting and future app including, without lim r benefit of any appli or patent for any of tinuation-in-part appli	lication for patent (as used a rights, utility patent rights, lications for patent of any itation, said application for cation for patent for any of said Inventions directly or lications (hereinafter CIPs)
I HEREB entire right, titl conflict herewi	Y represent that I convey me, and interest herein assign th;	ny full rights in all countries ned and transferred, and tha	and regions at I have not e	and under all intern executed and will not	ational agreements to the execute any agreement in
Applications for authorize HPD	EREBY authorize HPDC, in Patent in its name or in indiction, its successors, its assignition for patition for patition for patition.	my name in any country o s. its nominees, and its lega	r region or u I representati	inder any internation ives to insert the filing	al agreement, and further
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such papers a- its successors known facts re sign all lawful I relating to said everything pos enforce, for its provided the	REBY covenant and agree to smay be necessary or desire, or its assigns; communical especting said Inventions, Appapers (including, without limit Inventions, Applications for sible to aid HPDC, its successful of their own benefit, proper expenses which may be in assigns, its nominees, or its	able to perfect the title in sa ite to HPDC, its successor- pplications for Patent, and P iitation, divisional application r Patent, and Patents; and essigns, its norm intellectual property protect courred by me in lending	id Inventions, s, its assigns atents; testify ns, continuati make all righ inees, and its ion for said Ir	Applications for Pate , its nominees, or its in any legal or admi on applications, CIPs tful oaths and declar s legal representative	ent, and Patents, to HPDC, is legal representatives, all nistrative proceedings and to and reissue applications) ations and generally to do is to obtain, maintain, and is for Patent, and Patents.
IN WITN	ESS WHEREOF, I hereunto	set my hand and seal:			
Inventor's Sign	hon PM nature		Iq Day	Month	2018 Year
Anthony D. S	No. ala a				
Anthony D S		/ Name			
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Rev 8/2018 (HPDC Assignment)

PA	TENT	APPL	ICAT	ION

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

RECORD ID: 85006807	
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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):

Printable liqu	id supply cartridges				
Filing Date:	2018-12-03	Application No.:	PCT/US2	2018/063649	Patent Office: US
herein "patent" r design rights, a country or regio patent, any and said Inventions, indirectly claims of, divisional ap application for p on or as a result	ter, including any and all inventi- refers to any form of intellectual and utility model rights) (herein n or under any international ag all applications for patent direc- any and all applications for participations of, national-phase a plications of, national-phase a patent for any of said Inventions to f said Applications for Patent s for Patent or said Patents.	property protection inc lafter "Inventions"); any reement for any of saic tity or indirectly claiming latent from which any d all continuation applica- polications of recipials	luding, without and all extended to the leading of	out limitation, invention invention and future ap (including, without line or benefit of any appropriate for patent for any openinuation-in-part appropriations of repowels	on rights, utility patent rights plications for patent of an mitation, said application fo plication for patent for any o f said Inventions directly o plications (hereinafter CIPs
I HEREBY entire right, title, conflict herewith	represent that I convey my fu, and interest herein assigned and;	ll rights in all countries and that transferred, and that	and region t I have not	s and under all inte executed and will no	rnational agreements to the of execute any agreement in
Applications for authorize HPDC	REBY authorize HPDC, its s Patent in its name or in my r c, its successors, its assigns, its e of said application for patent, i	name in any country o nominees, and its lega	r region or I representa	under any internation tives to insert the filit	onal agreement, and furtheing date, application number
duty it is to issu	REBY authorize and request the e patents, to issue to HPDC, it rdance with the terms of this as	s successors, or its as:	s and region signs, as as	ns and under all inter signee of my entire	mational agreements whose right, title, and interest, said
such papers as its successors, known facts resisign all lawful parelating to said everything possenforce, for its oprovided the exprovided the expression of the succession of	REBY covenant and agree that I may be necessary or desirable or its assigns; communicate to pecting said Inventions, Applica apers (including, without limitatic Inventions, Applications for Patible to aid HPDC, its successor their own benefit, proper intel xpenses which may be incurrassigns, its nominees, or its legans	to perfect the title in sai on HPDC, its successors ations for Patent, and P on, divisional application cent, and Patents; and I rs, its assigns, its nom lectual property protect ed by me in lending	d Inventions , its assign atents; testil ns, continual make all rigl inees, and i	s, Applications for Pa s, its nominees, or fy in any legal or adr tion applications, CIF htful oaths and decla ts legal representati Inventions, Applicati	tent, and Patents, to HPDC its legal representatives, al ninistrative proceedings and Ps, and reissue applications arations and generally to do ves to obtain, maintain, and pops for Patent, and Patents
IN WITNES	SS WHEREOF Haereunto set r	ny hand and seal:			
	and Use		19	11	2018
Inventor's Signa	iture		Day	Month	Year
David Olsen					
Given (First and	Middle) Name(s) Family Nar	ne			

Rev 8/2018 (HPDC Assignment)

PATENT REEL: 053552 FRAME: 0988