506658565 05/12/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YAZE WANG	07/23/2019
DEREK M NELSON	07/30/2019

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:	17293187

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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ATTORNEY DOCKET NUMBER:	86015352
NAME OF SUBMITTER:	CARRIE A. MILANO
SIGNATURE:	/Carrie A. Milano/
DATE SIGNED:	05/12/2021

Total Attachments: 2

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PATENT 506658565 REEL: 056214 FRAME: 0768

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

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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 Parlnership

and interest, it	icipal place of business in S noluding all rights of priority tion for patent is in another I	Pring, Texas, (hereinafter "H , in, to, and under an applical (anguage):	PDC"), its s ion for pate	ruccessors, and its a nt entitled (English-la	ssigns, my entire right, title inguage tille in parentheses
PRINTER ID	ENTIFYING CHARACTEI	RISTICS			
Filing Date:	July 30, 2019	Application No.:	PCT/U	S2019/044089	Patent Office: US
herein "patent' design rights, country or regipatent, any an said invention indirectly claim of, divisional application for on or as a resi	refers to any form of inteller and utility model rights) (f- ion or under any internation of all applications for patent is, any and all applications is priority or benefit, and an applications of, national-pha patent for any of said inver-	eventions, improvements, and include property protection includereinafter "Inventions"); and include any of said directly or indirectly claiming for patent from which any y and all continuation applications of, regional- ntions) (hereinafter "Applicat Patent (hereinafter "Patents"	uding, withe and all ex- inventions i priority to application itions of, co phase applions for Pat	out limitation, invention intention is ting and future ap (including, without lift or benefit of any app for palent for any of intinuation-in-part applications of, renewals ent"); any and all pat	in rights, utility patent rights plications for patent of any nitation, said application for lication for patent for any of said. Inventions directly or plications (hereinafter CIPs of, and substitutes for any lents which may be oranted.
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Applications for authorize HPC	x Patent in its name or in IC, its successors, its ass	its successors, its assigns my name in any country or igns, its nominees, and its ion for patent, now identified	region or legal repre	under any internatio sentatives to insert	nal agreement, and further the filing date, application
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IN WITNE	SS WHEREOF, hereunto	sel my hand and seal:	3 2	·"")	~~ 1 V
Inventor's Sign	ature /		Day	Month	Year /
Yaze Wang			** #5.		
·····	l Middle) Name(s) Famil	y Name			

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

RECORD ID:	700234848

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and

having its prin- and interest, in	sreby assign and transfer to HE sipal place of business in Sprin icluding all rights of priority, in, ion for patent is in another lang	g, Texas, (hereinafter "H to, and under an applica	IPDC"), its si	occessors, and its	assigns, my entire right, title,
PRINTER ID	ENTIFYING CHARACTERIS	rics			
Filling Date:	July 30, 2019	Application No.:	PCT/US	52019/044089	Patent Office: US
herein spatent' design rights, country or regipatent, any an said Invention indirectly claim of, divisional application for on or as a res	tter, including any and all invented refers to any form of intellectual and utility model rights) (here on or under any international add all applications for patent dires, any and all applications for spricety or benefit, and any applications of, national-phase patent for any of said inventioualt of said Applications for Patetions for Patents or Patents or Patents and Applications for Patents	al property protection inc inafter "inventions"); any igreement for any of said activ or indirectly daimin patent from which any nd all continuation applic applications of, regional ns) (hereinafter "Applications (hereinafter "Patents"	luding, withor y and all exit finventions if g priority to or application frations of, cor -phase applications for Pate	ut limitation, invention and future a fincluding, without or benefit of any apport or patent for any apport or patent for any attinuation-in-part a pations of, renewal ant"); any and all p	tion rights, utility patent rights, applications for patent of any limitation, said application for application for patent for any of of said inventions directly or applications (hereinafter CIPs) its of, and substitutes for any satents which may be granted
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in WITN	ESS WHEREOF, I hereunto se	t my hand and seal:	35 5ey	0.7 Month	<u>Zo19</u> Year
Derek M Nel			9		
Given (First ar	d Middle) Name(s) Family N	lame			

Rev 80018 (HPDC Assignment)

PATENT REEL: 056214 FRAME: 0770

RECORDED: 05/12/2021