506930330 10/19/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT6977167

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TSUE-YI HUANG	10/19/2021
KANG-NING FENG	10/19/2021
MING-CHANG HUNG	10/19/2021

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:	17505184

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.

Email: ipa.mail@hp.com

HP INC. Correspondent Name:

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

ATTORNEY DOCKET NUMBER:	86074211
NAME OF SUBMITTER:	WESLEY L. AUSTIN
SIGNATURE:	/Wesley L. Austin/
DATE SIGNED:	10/19/2021

Total Attachments: 3

source=86074211-Assignment#page1.tif source=86074211-Assignment#page2.tif source=86074211-Assignment#page3.tif

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

Inventor's Legal Name

RECORD	ID:	86074211

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, USA (hereinafter "HPDC"),

Filing Date:	NCY TOLERANCE REPORTING 19 October 2021	G VALUE DETERMINA Application No.:		Patent Office: US
the subject (as used here utility patent rapplications f without limited benefit of any for patent for continuation-iphase applications	matter, including any and all in ein "patent" refers to any form of rights, design rights, and utility n or patent of any country or regio tion, said application for patent, application for patent for any o	ventions, improvements fintellectual property prode rights) (hereinafter on or under any internations any and all applications fisaid Inventions, any a prindirectly claims priori "CIPs") of, divisional aptitutes for any applications which may be granted	s, and discoveries, set for otection including, without any and a fonal agreement for any a for patent directly or independent of any and all applications for patent directly or independent of benefit, and any and plications of, national-phonon or as a result of said on or as a result of said.	th in said application for patent it limitation, invention rights, all existing and future of said Inventions (including, irectly claiming priority to or ent from which any application d all continuation applications of, ase applications of, regionalid Inventions) (hereinafter Applications for Patent
entire right, tif	represent that I convey my full to tle, and interest herein assigned conflict herewith;			
Applications f authorize HP	REBY authorize HPDC, its succe for Patent in its name or in my n DC, its successors, its assigns, patent office of said application	ame in any country or rits nominees, and its le	egion or under any intern gal representatives to ins	ational agreement, and further
whose duty it	REBY authorize and request the is to issue patents, to issue to he Patents, in accordance with the	HPDC, its successors, o	or its assigns, as assigned	
all such pape to HPDC, its representative administrative applications, rightful oaths and its legal r for said Inven	rs as may be necessary or desi successors, or its assigns; comi es, all known facts respecting sa e proceedings and sign all lawfu CIPs, and reissue applications) and declarations and generally representatives to obtain, mainta	rable to perfect the title municate to HPDC, its said Inventions, Applicat il papers (including, with relating to said Inventic to do everything possikain, and enforce, for its nd Patents, provided the	in said Inventions, Applications and Inventions, its assigns, it ons for Patent, and Patent out limitation, divisional ans, Applications for Paterile to aid HPDC, its succeor their own benefit, prope expenses which may be	s nominees, or its legal nts; testify in any legal or applications, continuation nt, and Patents; and make all assors, its assigns, its nominees, wer intellectual property protectior e incurred by me in lending such
IN WITNES	SS WHEREOF, I hereunto set n	ny hand and seal:		
Inventor's	re-Ti Huay		10/19/2 Day Month	Year
Tsue-Yi Hu	uang			

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

Inventor's Legal Name

RECORD	ID:	86074211
RECORD	IU:	99917211

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, USA (hereinafter "HPDC"),

	s, and its assigns, my entire atent entitled (English-langu			
Title: LATENC	Y TOLERANCE REPORTIN	IG VALUE DETERMINAT	IONS	
Filing Date:	19 October 2021	Application No.:	17/505,184	Patent Office: US
(as used herein utility patent right applications for without limitation benefit of any a for patent for an continuation-in-phase applications for patent for an applications for patent for an applications for applications for a patent for	natter, including any and all in "patent" refers to any form on ints, design rights, and utility patent of any country or region, said application for patent pplication for patent for any or any of said Inventions directly part applications (hereinafter ons of, renewals of, and substant or Patent"); any and all patent tents"); and any and all reiss	of intellectual property prot model rights) (hereinafter ion or under any internatio , any and all applications f of said Inventions, any and or indirectly claims priority r "CIPs") of, divisional applisation is which may be granted o	ection including, without lin "inventions"); any and all e nal agreement for any of s or patent directly or indirect I all applications for patent or benefit, and any and all ications of, national-phase for patent for any of said lin or as a result of said App	nitation, invention rights, xisting and future aid Inventions (including, tly claiming priority to or from which any application continuation applications of, applications of, regional-nventions) (hereinafter blications for Patent
	present that I convey my full , and interest herein assigne onflict herewith;			
Applications for authorize HPDC	BY authorize HPDC, its succ Patent in its name or in my i c, its successors, its assigns tent office of said application	name in any country or reg , its nominees, and its lega	gion or under any international representatives to insert	nal agreement, and further
whose duty it is	BY authorize and request the to issue patents, to issue to atents, in accordance with the	HPDC, its successors, or	its assigns, as assignee of	
all such papers to HPDC, its su- representatives administrative p applications, Cli- rightful oaths an and its legal rep for said Invention	as may be necessary or des ccessors, or its assigns; com , all known facts respecting s roceedings and sign all lawf Ps, and reissue applications; id declarations and generally presentatives to obtain, main	sirable to perfect the title in nmunicate to HPDC, its su said Inventions, Application ul papers (including, witho) relating to said Inventions y to do everything possible tain, and enforce, for its or and Patents, provided the	said Inventions, Application coessors, its assigns, its not not for Patent, and Patents; ut limitation, divisional applys, Applications for Patent, at aid HPDC, its successor their own benefit, proper itexpenses which may be in	ominees, or its legal testify in any legal or lications, continuation and Patents; and make all ors, its assigns, its nominees, ntellectual property protection curred by me in lending such
IN WITNESS	WHEREOF, I hereunto set	my hand and seal:		
Kang- Inventor's Sig	Ning Feng gnature		19 / 10 / 2021 Day Month Ye	 ear
Kang-Ning F	eng			

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

Inventor's Legal Name

RECORDED: 10/19/2021

RECORD	ID:	86074211
1 K Km 400 000 H X Cu7	160.	

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, USA (hereinafter "HPDC"),

	s, and its assigns, my entire atent entitled (English-langu					
Title: LATENC	Y TOLERANCE REPORTIN	IG VALUE DETERMINAT	rions			
Filing Date:	19 October 2021	Application No.:	17.	/505,184		Patent Office: US
(as used herein utility patent right applications for without limitation benefit of any apportant for patent for an continuation-in-phase applications for	atter, including any and all in "patent" refers to any form on its, design rights, and utility patent of any country or reging, said application for patent application for patent for any or y of said Inventions directly part applications (hereinafter ins of, renewals of, and substant "Patent"); any and all patent tents"); and any and all reiss	of intellectual property pro- model rights) (hereinafter ion or under any internation, , any and all applications of said Inventions, any an- or indirectly claims priority "CIPs") of, divisional app stitutes for any application is which may be granted of	tection in "Inventional agre- for patendal applor or bene- lications for pater	cluding, with ns"); any and ement for an t directly or it ications for pfit, and any a of, national-pf for any of a result of sale	out limitation d all existing y of said Inv ndirectly clai eatent from w and all contin bhase applic said Inventic id Application	n, invention rights, and future entions (including, ming priority to or which any application nuation applications of, ations of, regional- ons) (hereinafter ns for Patent
	present that I convey my full and interest herein assigne inflict herewith;					
Applications for authorize HPDC	BY authorize HPDC, its successive successive and its name or in my in its successors, its assigns tent office of said application	name in any country or re , its nominees, and its leg	gion or ui al represi	nder any inte entatives to i	ernational ag nsert the filir	reement, and further ng date, application
whose duty it is	BY authorize and request the to issue patents, to issue to tents, in accordance with the	HPDC, its successors, or	its assig	ns, as assigr		
all such papers to HPDC, its suc representatives, administrative p applications, Cli rightful oaths an and its legal rep for said Inventio	BY covenant and agree that as may be necessary or descessors, or its assigns; con all known facts respecting stroceedings and sign all lawfes, and reissue applications declarations and generally resentatives to obtain, main ns, Applications for Patent, assistance are paid by HPE	irable to perfect the title in municate to HPDC, its subsaid Inventions, Applicational papers (including, without) relating to said Inventional to do everything possible tain, and enforce, for its open Patents, provided the	n said Invacessors as for Pa but limitat as, Applic to aid H ar their ow expense	rentions, App i, its assigns itent, and Pa ion, divisiona ations for Pa iPDC, its suc in benefit, pr is which may	olications for , its nominee tents; testify al application tent, and Pa ccessors, its oper intellec be incurred	Patent, and Patents, es, or its legal in any legal or es, continuation stents; and make all assigns, its nominees, tual property protection by me in lending such
IN WITNESS	WHEREOF, I hereunto set	my hand and seal:				
Ming-Chai	ıg Kung		19,	10/20)21	
Inventor's Sig	nature	···········	Day	Month	Year	
Ming-Chang	Hung					