506464333 01/22/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6511109

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAKTI ASHIRVAD	11/30/2018
GAURAV SUJIT ROY	11/29/2018
JUAN M. VENEGAS III	11/30/2018
RONNIE GLENN BLEWER	11/30/2018

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.		
Street Address:	ess: 10300 Energy Drive		
City:	Spring		
State/Country:	TEXAS		
Postal Code:	77389		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17262555

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:	85958113
NAME OF SUBMITTER:	ALISSA A JUNGE
SIGNATURE:	/Alissa A Junge/
DATE SIGNED:	01/22/2021

Total Attachments: 4

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PATENT 506464333 REEL: 055003 FRAME: 0439

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PATENT REEL: 055003 FRAME: 0440

RECORD ID:	700233102

ASSIGNMENT OF PATENT APPLICATION

having its princ title, and intere	reby assign and transfer ti ipal place of business in	o HEWLETT-PACKARD DEV Houston, Texas, (hereinafter priority, in, to, and under a is in another language):	ELOPMENT "HPDC"), it	COMPANY, L.P., a s successors, and its	Texas Limited Partnership s assigns, my entire right.
POLLING CO	MPUTING DEVICES				
Filing Date:		Application No.:	PCT/U	S2018/063409	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	efers to any form of intell nd utility model rights) (n or under any internation all applications for paten any and all applications priority or benefit, and ar plications of, national-ph- atent for any of said Inve	nventions, improvements, and ectual property protection inchereinafter "Inventions"); any nal agreement for any of said t directly or indirectly claiming to patent from which any any and all continuation applicates applications of, regional-juntions) (hereinafter "Applications the patent (hereinafter "Patents") ents.	uding, withou and all exist Inventions (priority to o application fo tions of, con phase applications for Pate	at limitation, invention sting and future apping including, without liming the benefit of any appling or patent for any of atinuation-in-part apping ations of, renewals on the benefit of the pate ations of, renewals on the benefit of the pate ations of, renewals of the benefit of the pate ations of, renewals of the benefit of the pate ations of all pate	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) of, and substitutes for any ents which may be granted
I HEREBY entire right, title, conflict herewith	and interest herein assig	my full rights in all countries ined and transferred, and that	and regions I have not e	and under all intern xecuted and will not	ational agreements to the execute any agreement in
Applications for authorize HPDC	Patent in its name or in ; its successors, its ass	its successors, its assigns, my name in any country or signs, its nominees, and its tion for patent, now identified	region or u legal repres	nder any internation entatives to insert t	al agreement, and further he filing date, application
duty it is to issue	e patents, to issue to HP	est the officials of all countries DC, its successors, or its assi his assignment and transfer;	and regions gns, as assi	and under all interna gnee of my entire rig	ational agreements whose pht, title, and interest, said
such papers as HPDC, its succe all known facts r and sign all lav applications) reli- generally to do a maintain, and en and Patents, pro	may be necessary or d ssors, or its assigns; con respecting said Inventions oful papers (including, valing to said Inventions, everything possible to aid aforce, for its or their own wided the expenses whice	that I will, each time a request estrable to perfect the title in municate to HPDC, its succest, Applications for Patent, and Applications for Patent, and HPDC, its successors, its ast benefit, proper intellectual profit may be incurred by me in least the profits legal representatives.	said Invent sors, its ass I Patents; te pplications, Patents; and signs, its not perty protect	tions, Applications for signs, its nominees, or stify in any legal or a continuation applica I make all rightful or minees, and its legal tion for said Invention	or Patent, and Patents, to or its legal representatives, administrative proceedings ations, CIPs, and reissue oths and declarations and representatives to obtain, as, Applications for Patent,
IN WITNES	SS WHEREOF, I hereunto	set my hand and seal:			
<u> Sa</u>	5 Ashin		30_	Nov	2018
Inventor's Signa Shakti	Ast	iirvad	Day	Month	Year
Given (First and I	Viiddle) Name(s) Fam	ly Name			

Rev 8/2018 (HPDC Assignment)

RECORD ID:	700233102

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 HEWL having its principal place of business in Houston title, and interest, including all rights of priority, parentheses if said application for patent is in ano	i, Texas, (hereinafter "i in, to, and under an	HPDC"), it	s successors, and its	assigns, my entire right
POLLING COMPUTING DEVICES				
Filing Date: 30 Nov 2018	Application No.:	PCT/U	JS2018/063409	_Patent Office: US
the subject matter, including any and all inventions herein "patent" refers to any form of intellectual prodesign rights, and utility model rights) (hereinaft country or region or under any international agree patent, any and all applications for patent directly said Inventions, any and all applications for pater indirectly claims priority or benefit, and any and all of, divisional applications of, national-phase application for patent for any of said Inventions) (on or as a result of said Applications for Patent (for said Applications for Patents).	operty protection includer "Inventions"); any a iment for any of said In or indirectly claiming p ant from which any ap I continuation application ications of, regional-ph hereinafter "Application	ing, without not all exist ventions (riority to o olication from sof, cor ase applics for Pate	at limitation, invention sting and future appli including, without limi r benefit of any applic or patent for any of s itinuation-in-part appli ations of, renewals on ont"); any and all pates	rights, utility patent rights cations for patent of an tation, said application for attent for any cation for patent for any cation for patent for any cations (hereinafter CIPs f, and substitutes for an its which may be granted
I HEREBY represent that I convey my full ri entire right, title, and interest herein assigned and conflict herewith;	ghts in all countries ar transferred, and that I	nd regions have not e	and under all interna executed and will not o	ational agreements to the execute any agreement in
AND I HEREBY authorize HPDC, its succ Applications for Patent in its name or in my nan authorize HPDC, its successors, its assigns, its number, and patent office of said application for p them;	ne in any country or nominees, and its le	egion or u gal repres	nder any internationa entatives to insert th	il agreement, and furthe le filing date, application
AND I HEREBY authorize and request the of duty it is to issue patents, to issue to HPDC, its s Patents, in accordance with the terms of this assig	uccessors, or its assigi	nd regions is, as ass	and under all internations of my entire rig	tional agreements whose ht, title, and interest, said
AND I HEREBY covenant and agree that I will such papers as may be necessary or desirable HPDC, its successors, or its assigns; communicate all known facts respecting said Inventions. Applicational and sign all lawful papers (including, without liapplications) relating to said Inventions, Applicationally applications of the property of the provided the expenses which may be its successors, its assigns, its nominees, or its legal	to perfect the title in a e to HPDC, its success ations for Patent, and I mitation, divisional ap- ons for Patent, and Pi its successors, its assign proper intellectual proper incurred by me in lend	aid Inventors, its associations, its another tents; and its notes;	tions, Applications for signs, its nominees, or stify in any legal or a continuation applica I make all rightful oa minees, and its legal tion for said Invention	Patent, and Patents, to rits legal representatives dministrative proceeding- tions, CIPs, and reissue ths and declarations and representatives to obtain s. Applications for Patent
IN WITNESS WHEREOF, I hereunto set my	hand and seal:			
Marin		24	$\sim U_{\odot}$	2018
Inventor's Signature	Ď	ay	Month	Year
Gaurav Sujit Roy				
Given (First and Middle) Name(s) Family Name		e .		

Rev 5/2018 (HPOC Assignment)

700233102 RECORD ID:_

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 DE having its principal place of business in Houston, Texas, (hereinaft title, and interest, including all rights of priority, in, to, and under parentheses if said application for patent is in another language):	er "HPDC"), its successors, an	d its assigns my entire right
POLLING COMPUTING DEVICES		
Filing Date: 30 Nov 2018 Application No.:	PCT/US2018/063409	Patent Office: US
the subject matter, including any and all inventions, improvements, at herein "patent" refers to any form of intellectual property protection in design rights, and utility model rights) (hereinafter "Inventions"); are country or region or under any international agreement for any of sa patent, any and all applications for patent directly or indirectly claimits said Inventions, any and all applications for patent from which any indirectly claims priority or benefit, and any and all continuation applied, divisional applications of, national-phase applications of, regional application for patent for any of said Inventions) (hereinafter "Application or as a result of said Applications for Patent (hereinafter "Patents of said Applications for Patents).	cluding, without limitation, invening and all existing and future aid Inventions (including, without ng priority to or benefit of any aid application for patent for any cations of, continuation-in-part all phase applications of, renewaltions for Patent'), any and all patent').	ation rights, utility patent rights applications for patent of any limitation, said application for patent for any of said Inventions directly of applications (hereinafter CIPs als of, and substitutes for any patents which may be received.
I HEREBY represent that I convey my full rights in all countrie entire right, title, and interest herein assigned and transferred, and th conflict herewith;	s and regions and under all int at I have not executed and will	ernational agreements to the not execute any agreement in
AND I HEREBY authorize HPDC, its successors, its assign Applications for Patent in its name or in my name in any country of authorize HPDC, its successors, its assigns, its nominees, and its number, and patent office of said application for patent, now identified them;	or region or under any internat s legal representatives to inse	tional agreement, and further
AND I HEREBY authorize and request the officials of all countrie duty it is to issue patents, to issue to HPDC, its successors, or its as Patents, in accordance with the terms of this assignment and transfer	ssigns, as assignee of my entire	ernational agreements whose right, title, and interest, said
AND I HEREBY covenant and agree that I will, each time a requision papers as may be necessary or desirable to perfect the title HPDC, its successors, or its assigns; communicate to HPDC, its succeall known facts respecting said Inventions. Applications for Patent, and and sign all lawful papers (including, without limitation, divisional applications) relating to said Inventions, Applications for Patent, and generally to do everything possible to aid HPDC, its successors, its amaintain, and enforce, for its or their own benefit, proper intellectual pand Patents, provided the expenses which may be incurred by me in its successors, its assigns, its nominees, or its legal representatives.	in said Inventions, Applications bessors, its assigns, its nominee and Patents, testify in any legal of applications, continuation app d Patents, and make all rightfur assigns, its nominees, and its le property protection for said Inven	is for Patent, and Patents, to s, or its legal representatives, or administrative proceedings dications, CIPs, and reissue I caths and declarations and gal representatives to obtain, tions, Applications for Patent
IN WITNESS WHEREOF, I hereunto set my hand and seal:		
han we have the	20 NOVEMBE	2019
Inventor's Signature	Day Month	Year
Juan M Venegas III		
Given (First and Middle) Name(s) Family Name		

Rev 8/2018 (HPDC Assignment)

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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

title, and interest, including all rights of priority, in, to, and undeparentheses if said application for patent is in another language):	er an applicat	ion for patent entitled	d (English-language title i
POLLING COMPUTING DEVICES			
Filing Date: 30 Nov 2018 Application No	: PCT/U	JS2018/063409	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 spatent, any and all applications for patent directly or indirectly claim said Inventions, any and all applications for patent from which a indirectly claims priority or benefit, and any and all continuation applicational applications of, national-phase applications of, region application for patent for any of said Inventions) (hereinafter "Pater of said Applications for Patent (hereinafter "Pater of said Applications for Patent or said Patents.	including, with any and all e- aid Inventions ning priority to ny application plications of, c nal-phase app cations for Pa	out limitation, inventic xisting and future ap i (including, without lin or benefit of any app for patent for any of ontinuation-in-part ap lications of, renewals tent"); any and all pat	on rights, utility patent rights plications for patent of an mitation, said application for lication for patent for any of said Inventions directly of plications (hereinafter CIPs of, and substitutes for an tents which may be grante
I HERESY represent that I convey my full rights in all countrentire right, title, and interest herein assigned and transferred, and conflict herewith;	ies and region that I have no	ns and under all inter executed and will no	national agreements to that execute any agreement i
AND I HEREBY authorize HPDC, its successors, its assignapplications for Patent in its name or in my name in any country authorize HPDC, its successors, its assigns, its nominees, and number, and patent office of said application for patent, now identithem;	or region or its legal repr	under any internatio esentatives to insert	nal agreement, and furthe the filing date, application
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	assigns, as as	ns and under all inten ssignee of my entire r	national agreements whos ight, title, and interest, sai
AND I HEREBY covenant and agree that I will, each time a recource such papers as may be necessary or desirable to perfect the title HPDC, its successors, or its assigns; communicate to HPDC, its suall known facts respecting said Inventions, Applications for Patent, and sign all lawful papers (including, without limitation, division applications) relating to said Inventions, Applications for Patent, a generally 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	e in said Inveccessors, its a and Patents; all applications and Patents; a sassigns, its reproperty protein lending suci	entions, Applications of ssigns, its nominees, testify in any legal or s, continuation applice and make all rightful of tominees, and its legal ection for said Inventice.	for Patent, and Patents, to or its legal representatives administrative proceeding cations, CIPs, and reissur- paths and declarations and al representatives to obtain ons, Applications for Patent
IN WITNESS WHEREOF, I hereunto set my hand and seal:			
Range 1941	30	Novemba	280/7
Inventor's Signature	Day	Month (Year
Ronnie Glenn Blewer	iii.		
Given (First and Middle) Name(s) Family Name			

Rev 8/2018 (HPDC Assignment)

RECORDED: 01/22/2021

PATENT REEL: 055003 FRAME: 0444