505764165 11/08/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

NEW ASSIGNMENT

EPAS ID: PAT5810981

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QIANG ZHOU	05/30/2018
MOHD SHAHNAWAZ SIRAJ	05/30/2018
ANDRE BEAUDIN	05/30/2018
BEREND DUNSBERGEN	05/31/2018

RECEIVING PARTY DATA

Name:	Hewlett Packard Enterprise Development LP
Street Address:	11445 Compaq Center Drive West
City:	Houston
State/Country:	TEXAS
Postal Code:	77070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16427744

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: (970) 898-7472

Email: hpe.ip.mail@hpe.com

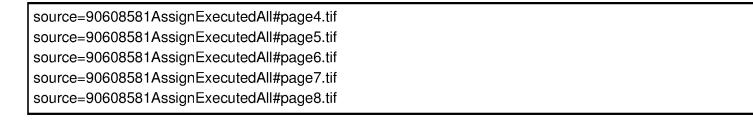
Correspondent Name: HEWLETT PACKARD ENTERPRISE
Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90603435
NAME OF SUBMITTER:	KATHY HUNGSBERG
SIGNATURE:	/Kathy Hungsberg/
DATE SIGNED:	11/08/2019

Total Attachments: 8

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PATENT REEL: 050956 FRAME: 0884 Hewlett Packard Enterprise

PATENT	A DO	100 A	TIME

Mail Stop 79 Fort Collins, Colorado 80528		RECORD ID:	90550195
	ASSIGNMENT OF PA	TENT APPLICATION	j.
furtherance of my/our obligati principal place of business in transfer and hereby assign ar	ions to Hewlett Packard Enterpri Houston, Texas, (hereinafter HP	ise Development LP, a T ED), and to its subsidiarions sors and assigns, the ent	hich is hereby acknowledged, and in lexas Limited Partnership having its as and affiliates, agree to assign and tire right, title and interest, including
CLASSIFYING INTERFERII REPOSITORY	NG DEVICES USING CLASSII	FIERS RECEIVED FRO	M A CENTRALIZED
Filing Date: 05/31/2019)	Application No.:	6/427744
divisionals, and renewals of countries thereto which may Patent. I/we additionally authoriz	and substitutes for said applic be granted thereon or therefore te HPED to file applications in m	and any and all continual ation for said Patent, ar ; and any reissues, or re y/our name for Patent in	tions, continuations-in-part (C-I-P's), nd any and all other Patent of any examinations, or extensions of said any country, to be held and enjoyed of the term or terms for which said
Patent respectively may be g		as fully and entirely as th	ie same would have been held and
executed and will not execute time a request is made, and v perfect the title to said inventi nominees or legal representa said invention(s) or improver papers, to execute all discla rightful caths and declaration and legal representatives to c	e any agreement in conflict herewithout undue delay, execute and ion(s) or improvement(s), said aptives, and I/we agree to communities, said application and said imers and divisionals, continuates, and generally to do everythinobtain and enforce, for its or their all countries provided the exp	with, and I/we further covid deliver all such papers application and said Paten nicate to HPED, or to its delivers, to lestify in any tions, C-I-P's, reissue are possible to aid HPED rown benefil, proper pate	rein assigned, and that I/we have not renant and agree that I/we will, each as may be necessary or desirable to it, to HPED, its successors, assigns, nominee, all known facts respecting legal proceedings, to sign all lawful deforeign applications, to make all its successors, assigns, nominees ent protection for said invention(s) or incurred by me/us in lending such
			whose duty it is to issue patents on

applications as aforesaid, to issue to HPED, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto s	set my/our hand(s) and seal(s):		
Q'ang Zhay		2018-05-30	
Inventor's Signal/tire		Date	
Qiang Zhou			
First/Micidle Name/Last Name			
Inventor's Signature		Date	~
Mohd Shahnawaz Siraj			
First/Middle Name/Last Name			
Rev 59/15	Page 1 of 2		

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90550195
	ASSIGNMENT OF PATENT AP	PLICATION (cont.))
Inventor's Signature		Date	
Andre Beaudin			
First/Middle Name/Last Name			
Inventor's Signature		 Date	
Berend Dunsbergen			
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			

Rev 06/15 Page 2 of 2

Rev 06/15

PATENT A	PPLICATION
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RECORD ID:	90550195
RECORD ID:	33330133

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hewlett Packard Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

the right of phoney, in, to and andor an approach in to I atom of indica.	
CLASSIFYING INTERFERING DEVICES USING CLASSIFIERS RE REPOSITORY	CEIVED FROM A CENTRALIZED
Filing Date:	tion No.: 16/427744
and the invention(s) and improvement(s) set forth therein, and any an divisionals, and renewals of and substitutes for said application for s countries thereto which may be granted thereon or therefore; and any Patent.	aid Patent, and any and all other Patent of an
I/we additionally authorize HPED to file applications in my/our name by HPED, its successors, assigns, nominees or legal representatives, the Patent respectively may be granted, reissued or extended, as fully and enjoyed by me/us had this assignment, and transfer not been made;	to the full end of the term or terms for which said
AND I/we hereby covenant that I/we have full right to convey the ent executed and will not execute any agreement in conflict herewith, and I/time a request is made, and without undue delay, execute and deliver all perfect the title to said invention(s) or improvement(s), said application a nominees or legal representatives, and I/we agree to communicate to H said invention(s) or improvement(s), said application and said Patent, to papers, to execute all disclaimers and divisionals, continuations, C-I-rightful oaths and declarations, and generally to do everything possible and legal representatives to obtain and enforce, for its or their own bene improvement(s) in any and all countries provided the expenses wh cooperation and assistance are paid by HPED; AND I/we hereby authorize and request the official of any country applications as aforesaid, to issue to HPED, as assignee of the entire invention(s) or improvement(s) which may be issued and granted or accordance with the terms of this assignment. I/we further authorize and direct the attorneys of record to inset application for Patent, now identified by the Record ID and title set forth a known to them. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):	we further covenant and agree that I/we will, each such papers as may be necessary or desirable to and said Patent, to HPED, its successors, assigns PED, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawfures, reissue and foreign applications, to make a to aid HPED, its successors, assigns, nominee fit, proper patent protection for said invention(s) of ich may be incurred by me/us in lending such or countries whose duty it is to issue patents of right, title and interest, any and all Patent for said or as a result of the application number of said the filling date and application number of said the filling date and application number of said the said the filling date and application number of said the said the filling date and application number of said the said the filling date and application number of said the said the filling date and application number of said the said the filling date and application number of said the said the said the filling date and application number of said the said
Inventor's Signature	Date
Qiang Zhou	
First/Middle Name/Last Name	
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Inventor's Signature	Date
Mohd Shahnawaz Siraj	
First/Middle Name/Last Name	

Page 1 of 2

PATENT REEL: 050956 FRAME: 0887

PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID:	90550195
	ASSIGNMENT OF PATENT APPLICATION	I (cont.)
Inventor's Signature	Date	
Andre Beaudin		
First/Middle Name/Last Name		
Inventor's Signature		
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Berend Dunsbergen First/Middle Name/Last Name		
Inventor's Signature	Date	
First/Middle Name/Last Name		
Inventor's Signature	Date	
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3404 E. Harmony Road Mail Stop 79			PATENT APPLICATION
Fort Collins, Colorado 80528		RECORD ID:	90550195
	ASSIGNMENT OF PATE	NT APPLICATION	
I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hewlett Packard Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Paient entitled:			
CLASSIFYING INTERFERI REPOSITORY	ING DEVICES USING CLASSIFIE	RS RECEIVED FROM	A CENTRALIZED
Filing Date: 05/31/2019	A	pplication No.: 16	5/427744
divisionals, and renewals of	provement(s) set forth therein, and f and substitutes for said application be granted thereon or therefore; as	on for said Patent, and	d any and all other Patent of any
I/we additionally authorize HPED to file applications in my/our name for Patent in any country, to be held and enjoyed by HPED, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;			
AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to HPED, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPED, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, relessue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPED, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPED;			
AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPED, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.			
I/we further authorize a application for Patent, now id known to them.	and direct the attorneys of record lentified by the Record ID and title se	to insert the filing dat of forth above, as soon	e and application number of said as the same shall have been made
IN WITNESS WHEREOF, I/v	we hereunto set my/our hand(s) and se	al(s):	
Inventor's Signature		Date	
Qiang Zhou			
First/Middle Name/Last Name			

Page 1 of 2

Date

Inventor's Signature

Rev 06/15

Mohd Shahnawaz Siraj First/Middle Name/Last Name Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79

PATENT APPLICATION

Mail Stop 79 Fort Collins, Colorado 80528	RECORD ID: 90550195	
ASSIGNMENT	ASSIGNMENT OF PATENT APPLICATION (cont.)	
	5/30/2018	
Inventor's Signature	Date	
Andre Beaudin		
First/Middle Name/Last Name		
Inventor's Signature	Date	
Berend Dunsbergen		
First/Middle Name/Last Name		
Inventor's Signature	Date	
First/Middle Name/Last Name		
Inventor's Signature	Date	
First/Middle Name/Last Name		
Inventor's Signature	Date	
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Inventor's Signature	Date	
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Page 2 of 2

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Fort Collins, Colora	do 80528

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PATENT APPLICATION

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ort Collins, Colorado 80528	RECORD ID:	90550195

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hewlett Packard Enterprise Development LP, a Texas Limited Partnership having its

principal place of business in Houston, Texas, (hereinafter HPE transfer and hereby assign and transfer to HPED, its success the right of priority, in, to and under an application for Paient en	ED), and to its subsidiaries and affiliates, agree to as ors and assigns, the entire right, title and interest,	ssign and
CLASSIFYING INTERFERING DEVICES USING CLASSIF REPOSITORY	TERS RECEIVED FROM A CENTRALIZED	
Filing Date: 05/31/2019	Application No.: 16/427744	
and the invention(s) and improvement(s) set forth therein, ar divisionals, and renewals of and substitutes for said applica countries thereto which may be granted thereon or therefore; Patent.	ition for said Patent, and any and all other Pater	nt of any
I/we additionally authorize HPED to file applications in my by HPED, its successors, assigns, nominees or legal represe Patent respectively may be granted, reissued or extended, as enjoyed by me/us had this assignment, and transfer not been n	intatives, to the full end of the term or terms for w s fully and entirely as the same would have been	hich said
AND I/we hereby covenant that I/we have full right to convexecuted and will not execute any agreement in conflict herewitime a request is made, and without undue delay, execute and perfect the title to said invention(s) or improvement(s), said appointmess or legal representatives, and I/we agree to communicate invention(s) or improvement(s), said application and said papers, to execute all disclaimers and divisionals, continuating in the papers and declarations, and generally to do everything and legal representatives to obtain and enforce, for its or their improvement(s) in any and all countries provided the expectooperation and assistance are paid by HPED;	rith, and I/we further covenant and agree that I/we deliver all such papers as may be necessary or de plication and said Patent, to HPED, its successors, icate to HPED, or to its nominee, all known facts in Patent, to testify in any legal proceedings, to sign one. C-I-P's, reissue and foreign applications, to g possible to aid HPED, its successors, assigns, if own benefit, proper patent protection for said inventions.	will, each sirable to assigns aspecting all lawfu make al nominees trion(s) or
AND I/we hereby authorize and request the official of an applications as aforesaid, to issue to HPED, as assignee of the invention(s) or improvement(s) which may be issued and accordance with the terms of this assignment.	he entire right, title and interest, any and all Paten	t for said
I/we further authorize and direct the attorneys of recor application for Patent, now identified by the Record ID and title known to them.	d to insert the filing date and application numbe set forth above, as soon as the same shall have be	r of saic en made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and	seal(s):	
Inventor's Signature	Date	·
Qiang Zhou		
First/Middle Name/Last Name		
Inventor's Signature	Date	······
Mohd Shahnawaz Siraj		
First/Middle Name/Last Name		

Page 1 of 2

PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID: 90550195
ASSIGNMENT OF PATENT A	APPLICATION (cont.)
Inventor's Signature	Date
Andre Beaudin	
First/Middle Name/Last Name	
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amendr's Signature	Date
Berlend Dunsbergen	
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	
Inventor's Signature	Date
First/Middle Name/Last Name	

Page 2 of 2

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RECORDED: 11/08/2019