504911338 05/11/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT4958082

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHENG LI	01/30/2018
KUNZHI YU	05/08/2018
MARCO FIORENTINO	02/01/2018
RAYMOND G BEAUSOLEIL	01/29/2018

RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Street Address:	11445 COMPAQ CENTER DRIVE WEST
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77070

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15749370

CORRESPONDENCE DATA

Fax Number: (970)812-0441

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

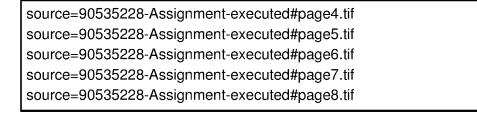
Correspondent Name: HEWLETT PACKARD ENTERPRISE
Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90535228
NAME OF SUBMITTER:	BE HENRY
SIGNATURE:	/Be Henry/
DATE SIGNED:	05/11/2018

Total Attachments: 8

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MEWLETT-PACKARO COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fon Collins, Colorado 80528

PATENT	APPLICATION

RECORD ID:	90535228
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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 DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

				ansfer to HPDC, its successors and and under an application for Paten
OPTICAL RECEIVE	RS			
Filing Date:	January 31,	2018	Application No.:	15/749370
divisionals, and rene	wals of and substitu	ites for said a	application for said Patent, a	ations, continuations-in-part (C-I-P's) and any and all other Patent of any reexaminations, or extensions of said
by HPDC, its succes	isors, assigns, nomir riay be granted, reisi	ees or legal re sued or extend	epresentatives, to the full end ded, as fully and entirely as t	n any country, to be held and enjoyed d of the term or terms for which said the same would have been held and
executed and will not time a request is mad perfect the title to sai nominees or legal re- said invention(s) or it papers, to execute a rightful paths and de and legal represental	t execute any agreen de, and without undured d invention(s) or imporesentatives, and I/A improvement(s), said all disclaimers and colorations, and gene dives to obtain and er ny and all countries	nent in conflict a delay, executorowenent(s), since agree to collapplication and invisionals, contrally to do eventorce, for its os provided the	herewith, and I/we further co te and deliver all such papers aid application and said Pate mmunicate to HPDC, or to its d said Patent, to testify in an tinuations, C-I-P's, reissue a crything possible to aid HPDC r their own benefit, proper pa	erein assigned, and that I/we have no overlant and agree that I/we will, each is as may be necessary or desirable to int, to HPDC, its successors, assigns is nominee, all known facts respecting by legal proceedings, to sign all lawful and foreign applications, to make all C, its successors, assigns, nomineed tent protection for said invention(s) or incurred by me/us in lending such
applications as afore	said, to issue to HPI ovement(s) which im	DC, as assigne ay be issued	ee of the entire right, title and	whose duty it is to issue patents or d interest, any and all Patent for said esult of the application aforesaid, is
				date and application number of said on as the same shall have been made
is/witness w LAA/	HEREØF, I/we herei	unto set my/c	our hand(s) and seal(s):	/30/18
Cheng	/ Li			
First/Middle Name	Last Nar	THE		
inventor's Signature			Date	
Kunzhi	Yu			
First/Middle Name	Last Nar	ne	***	
Rev 5/2014 (Assignment)		þ	age 1 of 2	

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fon Collins, Colorado 80528

PATENT APPLICATION

Mail Stop 35 For Collins, Colorado 80528		RECORD ID: "	90535228	
***************************************	SSIGNMENT OF PATENT APPLICATION (cont.)			
nventor's Signature		Date		
Marco	Fiorentino			
Marco Pirst/Middle Name	Last Name			
nventor's Signature		 Date		
Raymond G	Beausoleil			
irsUMiddle Name	Last Name			
riventor's Signature		Date		
First/Middle Name	Lest Name			
nvenior's Signature		Date		
inst/Micidie Name	Last Name			
nventor's Signature		Date		
irst/Middle Name	Last Name			
nventor's Signature		Date		
irst/Middle Name	Last Name			

Page 2 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 For Collins, Colorado 80528

Rev 3/2014 (Assignment)

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RECORD ID:	90535228

ASSIGNMENT OF PATENT APPLICATION

and in furtherance of my/ Limited Partnership having subsidiaries and affiliates, a	our obligations to HEWLE g its principal place of bu gree to assign and transfe	ETT-PACKARD DEVELOPM usiness in Houston, Texas, r and hereby assign and trar	of which is hereby acknowledged IENT COMPANY, L.P., a Texas (hereinafter HPDC), and to its isfer to HPDC, its successors and d under an application for Paten
OPTICAL RECEIVERS			
Filing Date:Jar	nuary 31, 2018	Application No.:	15/749370
divisionals, and renewals of	and substitutes for said a	in, and any and all continuat pplication for said Patent, an	ions, continuations-in-part (C-I-P's) d any and all other Patent of an examinations, or extensions of said
by HPDC, its successors, as	ssigns, nominees or legal re granted, reissued or extend	epresentatives, to the full end ed, as fully and entirely as the	any country, to be held and enjoyed of the term or terms for which said e same would have been held and
executed and will not execut time a request is made, and perfect the title to said inven nominees or legal represent said invention(s) or improver papers, to execute all disclarightful oaths and declaratio and legal representatives to	e any agreement in conflict without undue delay, execut tion(s) or improvement(s), satives, and I/we agree to corment(s), said application and aimers and divisionals, contains, and generally to do evelobtain and enforce, for its or all countries provided the	herewith, and I/we further cover and deliver all such papers a sid application and said Patent municate to HPDC, or to its a said Patent, to testify in any tinuations, C-I-P's, reissue an rything possible to aid HPDC, their own benefit, proper pate	ein assigned, and that I/we have no enant and agree that I/we will, each as may be necessary or desirable to t, to HPDC, its successors, assigns nominee, all known facts respecting legal proceedings, to sign all lawfu d foreign applications, to make al its successors, assigns, nomineed nt protection for said invention(s) o nourred by me/us in lending such
applications as aforesaid, to	issue to HPDC, as assigne t(s) which may be issued	e of the entire right, title and	whose duty it is to issue patents or interest, any and all Patent for said ult of the application aforesaid, in
			te and application number of said as the same shall have been made
IN WITNESS WHEREO	F, I/we hereunto set my/o	ur hand(s) and seal(s):	
Inventor's Signature		Date	
Cheng	Li		
First/Middle Name	Last Name	······································	
4.	la.	05/08/2018	
Inventor's Signature	<u> </u>	Date	
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Page 1 of 2

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

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Collins, Colorado 80528	NEOONO ID.	

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date
Marco	Fiorentino	
First/Middle Name	Last Name	
Inventor's Signature		Date
Raymond G	Beausoleil	
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
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Page 2 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

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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 DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

assigns, the entire entitled:	right, title and interest, including th	e right of priority, in, to a	nd under an application for Patent
OPTICAL RECEIVE	ERS		
Filing Date:	January 31, 2018	Application No.:	15/749370
divisionals, and ren	and improvement(s) set forth therein ewals of and substitutes for said ap- ich may be granted thereon or therei	n, and any and all continue plication for said Patent, a	ind any and all other Patent of any
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executed and will not time a request is maperisct the title to sa nominees or legal resaid invention(s) or in papers, to execute rightful oaths and deand legal represental improvement(s) in a cooperation and assignment applications as afore invention(s) or impressions.	by covenant that I/we have full right to at execute any agreement in conflict hade, and without undue delay, execute id invention(s) or improvement(s), said presentatives, and I/we agree to commorovement(s), said application and all disclaimers and divisionals; conflicted antions, and generally to do every times to obtain and enforce, for its or tany and all countries provided the istance are paid by HPDC; by authorize and request the official of said, to issue to HPDC, as assigneed overment(s), which may be issued a terms of this assignment.	erewith, and I/we further co and deliver all such papers d application and said Pate, municate to HPDC, or to its said Patent, to testify in any nuations, C-I-P's, reissue a othing possible to aid HPDC their own benefit, proper pat expenses which may be of any country or countries of the entire right, title and	venant and agree that I/we will, each as may be necessary or desirable to nt, to HPDC, its successors, assigns a nominee, all known facts respecting legal proceedings, to sign all lawfulnd foreign 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 or I interest, any and all Patent for said
	thorize and direct the attorneys of r t, now identified by the Record ID and		
IN WITNESS W	/HEREOF, I/we hereunto set my/ou	r hand(s) and seal(s):	
Inventor's Signature		Date	
Cheng	<u>Li</u>		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Kunzhi	Yu		
First/Middle Name	Last Name		
RAN BIOMA LAGRICHMANN	D _D ,	ne 1 nt 2	

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	R	ECORD ID: 90535228
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Marco	Fiorentino	··········
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Inventor's Signature		Date
Raymond G	Beausoleil	
First/Middle Name	Last Name	
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înventor's Signature		Date
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Inventor's Signature		Date
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Page 2 of 2

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fon Collins, Colorado 80528

Rev 3/2014 (Assignment)

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ASSIGNMENT OF PATENT APPLICATION

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Filing Date:	January 31, 2018	Application No.:	15/749370
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	thorize and direct the attorneys of it, now identified by the Record ID ar		
IN WITNESS W	/HEREOF, I/we hereunto set my/o	our hand(s) and seal(s):	
Inventor's Signature		Date	
Cheng	Li		
First/Middle Name	Last Name		
inventor's Signature		Date	
Kunzhi	Yu		
First/Micidle Name	Last Name		

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	90535228
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Inventor's Signature		Date	
Marco	Fiorentino		
First/Middle Name	Last Name go	······································	
Inventor's Signature	G-Sauce	2015 Date	<u> </u>
Raymond G	Beausoleil		
First/Middle Name	Last Name		
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Page 2 of 2

Last Name

RECORDED: 05/11/2018

First/Middle Name

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