# 503974728 08/24/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4021384

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
AMIT S. SHARMA	08/22/2016
GARY GIBSON	08/22/2016
NAVEEN MURALIMANOHAR	08/22/2016
MARTIN FOLTIN	08/23/2016
GREG ASTFALK	08/23/2016

#### 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:	15245607

# **CORRESPONDENCE DATA**

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

ATTORNEY DOCKET NUMBER: 90215188

NAME OF SUBMITTER: LAURA M. ZAVALA

SIGNATURE: /Laura M. Zavala/

DATE SIGNED: 08/24/2016

**Total Attachments: 10** 

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Rev 06/15

#### **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/cur 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:

	ELECTOR DEVICES WITH DI	
Filing Date:		Application No.:
divisionals, and renewa	is of and substitutes for said	in, and any and all continuations, continuations-in-part (C-I-P's), pplication for said Patent, and any and all other Patent of any efore; and any reissues, or reexaminations, or extensions of said
by HPED, its successor Patent respectively may	s, assigns, nominees or legal r	in my/our name for Patent in any country, to be held and enjoyed presentatives, to the full end of the term or terms for which said ed, as fully and entirely as the same would have been held and seen made;
executed and will not extime a request is made, perfect the title to said in nominees or legal represaid invention(s) or implication, to execute all drightful oaths and declar and legal representative improvement(s) in any cooperation and assistant AND I/we hereby applications as aforesain	recute any agreement in conflict and without undue delay, executivention(s) or improvement(s), sentatives, and I/we agree to or ovement(s), said application and disclaimers and divisionals, collections, and generally to do evise to obtain and enforce, for its countries provided the noe are paid by HPED; authorize and request the official to issue to HPED, as assignment(s) which may be issued	convey the entire interest herein assigned, and that I/we have not herewith, and I/we further covenant and agree that I/we will, each e and deliver all such papers as may be necessary or desirable to aid application and said Patent, to HPED, its successors, assigns, municate to HPED, or to its nominee, all known facts respecting I said Patent, to testify in any legal proceedings, to sign all lawful tinuations, C-I-P's, reissue and foreign applications, to make all rything possible to aid HPED, its successors, assigns, nominees their own benefit, proper patent protection for said invention(s) or expenses which may be incurred by me/us in lending such of any country or countries whose duty it is to issue patents on e of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
		record to insert the filing date and application number of said dittle set forth above, as soon as the same shall have been made
IN WITNESS WHERE(	OF, I/we hereunto set my/our hand	s) and seal(s):
A / -	-17	
Ant >	Kanna	8/22/2016
Inventor's Signature		Date / /
Amit S.	5harma	
First/Middle Name	Last Name	
Inventor's Signature		Date
Gary	Gibson	
First/Middle Name	Last Name	

Page t of 2

# PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90215188
	ASSIGNMENT OF PATE		:.)
Inventor's Signature		Date	
Naveen	Muralimanohar		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Martin	Foltin		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Greg	Astfalk		
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

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RECORD ID:	90215188

## **ASSIGNMENT OF PATENT APPLICATION**

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the right of phonty, in, to	and under an application for Fa	tent entitied.
CIRCUITS HAVING SE	LECTOR DEVICES WITH DI	FFERENT I-V RESPONSES
Filing Date:		Application No.:
divisionals, and renewal	s of and substitutes for said	rein, and any and all continuations, continuations-in-part (C-I-P's) application for said Patent, and any and all other Patent of any refore; and any reissues, or reexaminations, or extensions of said
by HPED, its successors Patent respectively may	s, assigns, nominees or legal r	s in my/our name for Patent in any country, to be held and enjoyed representatives, to the full end of the term or terms for which said ded, as fully and entirely as the same would have been held and been made;
executed and will not ex time a request is made, perfect the title to said in nominees or legal repressaid invention(s) or impressaid invention(s) or impressaid invention(s) or impressaid invention(s) and declar and legal representatives improvement(s) in any cooperation and assistant.  AND I/we hereby a applications as aforesaid invention(s) or improver accordance with the term.  I/we further authorical application for Patent, not known to them.	ecute any agreement in conflict and without undue delay, executivention(s) or improvement(s), sentatives, and I/we agree to convement(s), said application are disclaimers and divisionals, contations, and generally to do evision obtain and enforce, for its conditional and all countries provided the are paid by HPED; authorize and request the official, to issue to HPED, as assignment(s) which may be issued as of this assignment.	to convey the entire interest herein assigned, and that I/we have not the herewith, and I/we further covenant and agree that I/we will, each ste and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPED, its successors, assigns or mmunicate to HPED, or to its nominee, all known facts respecting its said Patent, to testify in any legal proceedings, to sign all lawfuntinuations, C-I-P's, reissue and foreign applications, to make all erything possible to aid HPED, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or expenses which may be incurred by me/us in lending such all of any country or countries whose duty it is to issue patents or ee of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in a frecord to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made all(s) and seal(s):
Inventor's Signature		Date
inventor s Signature		Date
Amit S.	Sharma	
First/Middle Name	Last Name	
gary g	libson	August 22, 2016
Inventor's Signaturé U		Date
Gary	Gibson	
First/Middle Name	Last Name	

Page 1 of 2

**REEL: 039525 FRAME: 0496** 

# PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90215188
	ASSIGNMENT OF PATE	ENT APPLICATION (conf	:.)
Inventor's Signature		Date	
Naveen	Muralimanohar		
First/Middle Name	Last Name		
Inventor's Signature		 Date	
Martin	Foltin		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Greg	Astfalk		
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

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RECORD ID:	90215188

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Filing Date:		Application No.:
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by HPED, its successors Patent respectively may	s, assigns, nominees or lega	is in my/our name for Patent in any country, to be held and enjoyed representatives, to the full end of the term or terms for which said ided, as fully and entirely as the same would have been held and been made;
executed and will not extime a request is made, a perfect the title to said in nominees or legal repressaid invention(s) or impropers, to execute all drightful oaths and declar and legal representatives improvement(s) in any cooperation and assistant AND I/we hereby an applications as aforesaic invention(s) or improver accordance with the term I/we further authorical application for Patent, no known to them.	ecute any agreement in configured without undue delay, exevention(s) or improvement(s) sentatives, and I/we agree to ovement(s), said application isclaimers and divisionals, cations, and generally to do so to obtain and enforce, for its and all countries provided ce are paid by HPED; atthorize and request the officity, to issue to HPED, as assignent(s) which may be issued as of this assignment.	to convey the entire interest herein assigned, and that I/we have no at herewith, and I/we further covenant and agree that I/we will, each ute and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPED, its successors, assigns ommunicate to HPED, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawfuntinuations, C-I-P's, reissue and foreign applications, to make all verything possible to aid HPED, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) one expenses which may be incurred by me/us in lending such all of any country or countries whose duty it is to issue patents or nee of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made and dish and seal(s):
III WITINESS WHEREO	r, i/we nereunto set my/our na	a(s) and seal(s):
Inventor's Signature		Date
Amit S.	Sharma	
First/Middle Name	Last Name	
Inventor's Signature		Date
Gary	Gibson	
First/Middle Name	Last Name	

Page 1 of 2

## PATENT APPLICATION

Fort Collins, Colorado 805	528	RECORD ID: 90215188
	ASSIGNMENT OF PATE	NT APPLICATION (cont.)
4	laver	8/22/16
Inventor's Signature	S. S	Date
Naveen	Muralimanohar	
First/Middle Name	Last Name	
Inventor's Signature		 Date
Martin	Foltin	
First/Middle Name	Last Name	
Inventor's Signature		Date
Greg	Astfalk	
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

Hewlett Packard Enterprise 3404 E. Harmony Road		Patent applicati
Mail Stop 79 Fort Collins, Colorado 80528	RECO	ORD ID: 90215188
	ASSIGNMENT OF PATENT APP	LICATION
furtherance of my/our obligat principal place of business in transfer and hereby assign a	ich), for good and valuable consideration, the ions to Hewlett Packard Enterprise Developm Houston, Texas, (hereinafter HPED), and to it not transfer to HPED, its successors and assigned an application for Patent entitled.	nent LP, a Texas Limited Partnership having ts subsidiaries and affiliates, agree to assign
CIRCUITS HAVING SELEC	TOR DEVICES WITH DIFFERENT I-V RE	sponses
Filing Date:	Applicatio	on No.:
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by HPED, its successors, as Patent respectively may be	te HPED to file applications in my/our name fi signs, nominees or legal representatives, to granted, reissued or extended, as fully and e signment, and transfer not been made;	the full end of the term or terms for which
executed and will not execute time a request is made, and perfect the title to said invent nominees or legal represents said invention(s) or improven papers, to execute all disclerightful oaths and declaration and legal representatives to our security of the said security of the sa	ant that I/we have full right to convey the entire a any agreement in conflict herewith, and I/we without undue delay, execute and deliver all s ion(s) or improvement(s), said application and tilives, and I/we agree to communicate to HPI nent(s), said application and said Patent, to to imers and divisionals, continuations, C-I-P's is, and generally to do everything possible to iotain and enforce, for its or their own benefit all countries provided the expenses which are paid by HPED;	e further covenant and agree that I/we will, e such papers as may be necessary or desirabled disaid Patent, to HPED, its successors, assi- ED, or to its nominee, all known facts respec- testify in any legal proceedings, to sign all lais, reissue and foreign applications, to make to aid HPED, its successors, assigns, nominated in the proper patent protection for said invention(s
applications as aforesaid, to	rize and request the official of any country of issue to HPED, as assignee of the entire rig (s) which may be issued and granted on this assignment.	pht, title and interest, any and all Patent for
	and direct the altorneys of record to insert entified by the Record ID and title set forth ab	
IN WITNESS WHEREOF, I/V	ve hereunto set my/our hand(s) and seal(s):	
Inventor's Signature		Date
Aroit S.	Sharma	
First/Middle Name	Last Name	
Inventor's Signature		Date

Page 1 of 2

Gibson

Last Name

Gary

Rev 08/15

First/Middle Name

# PATENT APPLICATION

Mail Stop 79 Fort Collins, Colorado 80528		RECORD ID: 90215188
	ASSIGNMENT OF PATE	NT APPLICATION (cont.)
inventor's Signature		Pate
Naveen	Muralimanohar	
First/Middle Name	Last Name	
Madin Jolla	į.	8/23/2014
inventor's Signature		Date
Martin	Foltin	
First/Middle Name	Last Name	
inventor's Signature		Date
Tunu.	Astfalk	
Greg First/Middle Name	ASUBIK Last Name	
RSO PROGRESSION	best-Marine	
Inventor's Signature		Date
·		
First/Middle Name	Last Name	annununuve
Inventor's Signature		Date
First/Middle Name	Last Name	
mventor's Signature		Date
First/Middle Name	Last Name	

Page 2 of 2

Rev 96/15

Rev 06/15

#### PATENT APPLICATION

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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:

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Gary	Gibson	
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Page 1 of 2

## PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID: 90215188
ASSIGNMENT	T OF PATENT APPLICATION (cont.)
Inventor's Signature	Date
Naveen Muralimano	phar
First/Middle Name Last Name	
inventor's Signature	
Martin Foltin	
First/Middle Name  Last Name  A  A  A	8/23/2016
Inventor's Signature	Date / /
Greg Astfalk	
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	
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**PATENT REEL: 039525 FRAME: 0503** 

Rev 00/15