504501436 08/14/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4548140

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH R. ALLEN	02/19/2015
JOHN NORTON	02/19/2015
BRADLEY E. MAYES	02/19/2015
JAMES H. SINGER	02/19/2015

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:	15550845

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.

(970) 898-7444 Phone:

Email: hpe.ip.mail@hpe.com

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

ATTORNEY DOCKET NUMBER:	90472087
NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	08/14/2017

Total Attachments: 8

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PATENT APPLICATION

£	RECORD ID:	84113670

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 Li 81 a

Limited Partnership havi subsidiaries and affiliates,	ng its principal place of bu agree to assign and transfel	siness in Houston, Texas, (hereinafter HPDC), and to its and hereby assign and transfer to HPDC, its successors and he right of priority, in, to and under an application for Patent
EXTERNALLY ACCESSI	BLE REPLACEABLE POWI	R SOURCE
Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for said a	n, and any and all continuations, continuations-in-part (C-I-P's), optication for said Patent, and any and all other Patent of any fore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, Patent respectively may be	assigns, nominees or legal re	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 ad, as fully and entirely as the same would have been held and sen made:
executed and will not execute a request is made, an perfect the title to said invenominess or legal represeivaid invention(s) or improvipapers, to execute all disrightful oaths and declarat and legal representatives to	ute any agreement in conflict in different under delay, execution (s) or improvement(s), so ntatives, and live agree to correment(s), said application and claimers and divisionals, contions, and generally to do ever or obtain and enforce, for its or and all countries provided the	convey the entire interest herein assigned, and that I/we have not nerewith, and I/we further covenant and agree that I/we will, each and deliver all such papers as may be necessary or desirable to id application and said Patent, to HPDC, its successors, assigns, municate to HPDC, or to its nominee, all known facts respecting said Patent, to testify in any legal proceedings, to sign all lawful inuations, C-I-P's, reissue and foreign applications, to make all ything possible to aid HPDC, 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
applications as aforesaid,	to issue to HPDC, as assigne ent(s) which may be issued	of any country or countries whose duty it is to issue patents on a 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 We hereunto set my/o	ur hand(s) and seal(s): 19 Fez 2015 Date
Joseph R	Allen	*
First/Middle Name	Last Name	
Inventor's Signature		Date
John	Norton	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)		ige 1 of 2

PATENT APPLICATION

		RECORD ID:	84113670	
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	ASSIGNMENT OF PATE	NT APPLICATION (con	ri)	

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Inventor's Signature	4	Date
Bradley E	Mayes	
First/Middle Name	Last Name	
inventor's Signature		Date
James H	Singer	
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Micidle 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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ASSIGNMENT OF PATENT APPLICATION

We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby admostedged, and in furtherence of my/our obligations to HEVLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas

subsidiaries and affiliate	is, agree to assign and tran	business in Houston, Texas, (hereinafter HPDC), as fer and hereby assign and transfer to HPDC, its success the right of priority, in, to and under an application to	sors, and
EXTERNALLY ACCES	SIBLE REPLACEABLE PC	NER SOURCE	
Filing Date:		Application No.:	
divisionals, and renewa-	s of and substitutes for said	irein, and any and all continuations, continuations-in-part application for said Patent, and any and all other Pate arefore, and any reliceurs, or mexaminations, or extension	int of any
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applications as atomical	i, to seue to MPDC, as size neot(s) which may be issue	ial of any country or countries whose duty it is to issue ; nee of the entire right. Ittle and interest, any and all Pates it and granted on or we a result of the application afo	is for sak
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IN WITNESS WHE	NEOE, Nove hereurate set on	our tiand(s) and stial(s):	
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Rev 8/2014 (Assignment)

PATENT APPLICATION

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	ASSIGNMENT OF PATER	NT APPLICATION (con	٤)
Inventor's Signature		Date	
Bradley E	Mayes		
First/Middle Name	Last Name		
inventor's Signature		Date	
James H	Singer		
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	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name	·······.	

Page 2 of 2

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RECORD ID:	84113670

ASSIGNMENT OF PATENT APPLICATION

IAWe, 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:

entitled:		Section 6 and 5
EXTERNALLY ACCESS	IBLE REPLACEABLE POWER :	SOURCE
Filing Date:		Application No.:
and the invention(s) and divisionals, and renewals	improvement(s) set forth therein, and substitutes for said applic	and any and all continuations, continuations-in-part (C-I-P's) ation for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, Patent respectively may b	assigns, nominees or legal repres	ny/our name for Patent in any country, to be held and enjoyed entatives, to the full end of the term or terms for which said as fully and entirely as the same would have been held and made.
executed and will not exertime a request is made, ar perfect the title to said invitormines or legal represes said invention(s) or improve papers, to execute all distribution on the perfect of the said legal representatives.	table any agreement in conflict here and without undue delay, execute an ention(s) or improvement(s), said a intatives, and live agree to commu- vement(s), said application and said sclaimers and divisionals, continua- tions, and generally to do everythis to obtain and enforce, for its or the and all countries provided the ex-	vey the entire interest herein assigned, and that I/we have no with, and I/we further covenant and agree that I/we will, each dideliver all such papers as may be necessary or desirable to pplication and said Patent, to HPDC, its successors, assigns nicate to HPDC, or to its nominee, all known facts respecting di Patent, to testify in any legal proceedings, to sign all lawfulctions. CHP's, reissue and foreign applications, to make all nig possible to aid HPDC, its successors, assigns, nominees of own benefit, proper patent protection for said invention(s) or penses which may be incurred by me/us in lending such
applications as afcresaid.	to issue to HPDC, as assignee of ent(s) which may be issued and	thy country or countries whose duty it is to issue patents or the entire right, title and interest, any and all Patent for said granted on or as a result of the application aforesaid in
I/we further authorize application for Patent, now known to them.	e and direct the attorneys of reci identified by the Record ID and tit	and to insert the filing date and application number of said e set forth above, as soon as the same shall have been made
IN WITNESS WHERE	OF, I/we hereunto set my/our h	and(s) and seal(s):
Inventor's Signature		Date
Joseph R	Allen	
First/Middle Name	Last Name	
Inventor's Signature		Date
John	Norton	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)	Page	1 of 2

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

Rev 8/2014 (Assignment)

PATENT APPLICATION

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Inventor's Signature			Date	
Bradley E	Mayes			
First/Middle Name	Last Name	······		
Inventor's Signature			Date	····
James H	Singer			
First/Middle Name	Last Name	················		
Inventor's Signature			Date	
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Production Alexander	V			
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ASSIGNMENT OF PATENT APPLICATION

IWe, the undersigned (each), for good and valuable consideration, the receipt of which is hereby advice/ded, and in furtherance of mylour obligations to HEVILETT-PACKARD DEVELOPMENT COMPANY, L.F., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPOC), and to its subsidiaries and affiliates, agree in assign and transfer and hereby assign and transfer to HPDC, its auccessors and

assigns, the emire right, shitted	title and interest, including	the right of priority, in, to and under an application for Paten
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and the invention(s) and divisionals, and renewals	improvement(s) set forth the of and substitutes for said	rein, and any and all continuations, continuations-in-part (C-LP's) application for said Patent, and any and all other Patent of an arufore, and any reissures, or mexaminations, or extensions of said
by HPOC, its maximums. Patent respectively may be	ansigns, nominees or legal	is in my/our name for Patent in any country, to be held and enjoyer representatives, to the full and of the term or terms for which sax ideal, as fully and entirely as the same would have been held and been made;
executed and will not executed an executed the title to eaid invitorities or legal represses and invention(s) or impropagate, to execute all oil rightful caths and declarated and legal representatives improvemently) in any a cooperation and assistance. AND tiwe hereby autopolications as allowed invention(s) or improvem	bute any agreement in conflict of without undus delay, exact ention(s) or improvement(s), etatives, and I/we agree to overnemt(s) said application a solaimers and diversemas, o tions, and generally to do e to obtain and enforce, for its and all countries provided to e are paid by HPCC; thouse and request the official to issue to MPCC, as alsely ent(s) which may be issue	to convey the entire interest herein assigned, and that I/we have not herewith, and I/we further covenant and agree that I/we will sact use and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPDC, its successors, assigns or minutests to HPDC, or to its nomines, all known facts respecting add Patent, to restily a any legal proceedings, to sign all lawfurbinustons, CHPs, reliesus and foreign applications, to make a verything possible to aid HPDC, its successors, assigns, nomineer or their own benefit, proper patent protection for said invention(s) of the expenses, which may be incurred by make in sending suclear of any country or countries whose duty it is to issue patents or nee of this entire right. Ifte and interest, any and all Patent for said and greated on or as a result of the application aforessist, and
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PATENT APPLICATION

84113670

RECORD ID:

	ASSIGNMENT OF PAT	ENT APPLICATION (cont.)
Inventor's Signature		Date
Bradley E	Mayes	
First/Middle Name	Last Name	
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lavent ors Signature James H		Date
First/Middle Name	Singer Last Name	www.
Inventor's Signature		Date
First/Middle Name	Läst Näme	
Inventor's Signature		Date
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Inventor's Signature		Date
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First/Middle Name

Inventor's Signature

Page 2 of 2

Last Name

Date