504104853 11/21/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4151522

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN D. GIBSON	07/29/2014
JOSEPH MILLER	07/29/2014
SCOTT A. GAYDOS	07/30/2014
CLIFFORD A. WILKE	07/29/2014

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:	15305601

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) 898-7444

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:	90286958
NAME OF SUBMITTER:	ASHOK K. MANNAVA
SIGNATURE:	/Ashok K. Mannava/
DATE SIGNED:	11/21/2016

Total Attachments: 4

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PATENT 504104853 REEL: 040390 FRAME: 0113

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PATENT REEL: 040390 FRAME: 0114 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 6/ 2014 (Assignment)

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RECORD ID:	83953438
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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 subsidiaries and affiliates, agree to assign and transfer and he assigns, the entire right, title and interest, including the right entitled:	reby assign and transfer to HPDC, its successors and
OBJECT IDENTIFICATION AND SENSING	
Filing Date: HEREWITH A	pplication No.:
and the invention(s) and improvement(s) set forth therein, and divisionals, and renewals of and substitutes for said application countries thereto which may be granted thereon or therefore; an Patent.	n for said Patent, and any and all other Patent of any
I/we additionally authorize HPDC to file applications in my/or by HPDC, its successors, assigns, nominees or legal represents Patent respectively may be granted, reissued or extended, as for enjoyed by me/us had this assignment, and transfer not been made	atives, to the full end of the term or terms for which said ully and entirely as the same would have been held and
AND I/we hereby covenant that I/we have full right to convey executed and will not execute any agreement in conflict herewith time a request is made, and without undue delay, execute and deperfect the title to said invention(s) or improvement(s), said application nominees or legal representatives, and I/we agree to communica said invention(s) or improvement(s), said application and said Papapers, to execute all disclaimers and divisionals, continuation rightful oaths and declarations, and generally to do everything pand legal representatives to obtain and enforce, for its or their ow improvement(s) in any and all countries provided the expension of the content of the conte	, and I/we further covenant and agree that I/we will, each eliver all such papers as may be necessary or desirable to cation and said Patent, to HPDC, its successors, assigns, te to HPDC, or to its nominee, all known facts respecting atent, to testify in any legal proceedings, to sign all lawful is, C-I-P's, reissue and foreign applications, to make all lossible to aid HPDC, its successors, assigns, nominees in benefit, proper patent protection for said invention(s) or
AND I/we hereby authorize and request the official of any applications as aforesaid, to issue to HPDC, as assignee of the invention(s) or improvement(s) which may be issued and gra accordance with the terms of this assignment.	entire right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to application for Patent, now identified by the Record ID and title se known to them.	
IN WITNESS WHEREOF, I/we hereunto set my/our hand	(s) and seal(s):
Brentor's Signature	7/29/2014
averitor a digitalure	Date /
Jonathan D. Gibson Inventor's Typed Name	
inaction o sahon tantis	
Inventor's Signature	Date
Joseph Miller	
Inventor's Typed Name	

Page 1 of 2

HEVALETT PACKARD COMPANY idelectual Property Administrator 3404 E. Harmony Road Mail Step 35 Off Colors Colorada 80528

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ASSIGNMENT OF PATENT APPLICATION

Whe little 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 successors and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and

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OBJECT IDENTIFICATION AND SENSING	
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and the invention(s) and improvement(s) set forth therein, diversials, and renewals of and substitutes for said applications thereto which may be granted thereon or therefor Palante.	and any and all continuations, continuations-in-part (C-I-P's)
live additionally authorize HPDC to file applications in a by HPDC, its successors, assigns, nominees or legal representation respectively may be granted, reissued or extended, anyoyed by melus had this assignment, and transfer not been	as fully and entirely as the same would have been held and
executed and will not execute any agreement in conflict her time a request is made and without undue delay, execute a perfect the title to said invention(s) or improvement(s), said numbers or legal representatives, and live agree to communic invention(s) or improvement(s), said application and supapers, to execute all disclaimers and divisionals, continuing the paths and declarations, and generally to do everythand segal representatives to obtain and enforce for its or the	invey the entire interest herein assigned, and that live have not swith, and live further covenant and agree that live will, each not deliver all such papers as may be necessary or desirable to application and said Patent, to HPDC, its successors, assigns, juricate to HPDC, or to its nominee, all known facts respecting aid Patent, to testify in any legal proceedings, to sign all lawful pations, C-1-P's, reissue and foreign applications, to make all hing possible to aid HPDC, its successors, assigns, nominees lieir own benefit, proper patent protection for said invention(s) or expenses, which may be incurred by melus in lending such
accordance with the terms of this assignment.	I any country or countries whose duty it is to issue patents or of the entire right, title and interest, any and all Patent for sai nd granted on or as a result of the application aforesaid, i
application for Patent, now identified by the Record ID and known to them	coord to insert the filing date and application number of sai little set forth above, as soon as the same shall have been mad
IN WITNESS WHEREOF, I/we hereunto set my/our	hand(s) and seal(s):
Aventor's Septembro	Date
	7/29/2014 Dase /

Page 1 of 2

PATENT REEL: 040390 FRAME: 0116 HEWLETT-PACKAPD COMPANY Intellectual Property Administrator 3404 E. Harmuny Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83953438

ASSIGNMENT	OF PATENT APPLICATION (con	\$.}
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Scott A. Gaydos		
Inventor's Typed Name		
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Inventor's Signature	Date	
Clifford A. Wilke		
Inventor's Typed Name		
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator

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Fort Collins, Colorado 80528	RECORD ID:	83953438
ASSIGNMENT	TOF PATENT APPLICATION (conf	t.)
Inventor's Signature	Date	
Scott A. Gaydos		
Inventor's Typed Name		
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Inventor's Signature	Date	1100.1
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Clifford A. Wilke		
Inventor's Typed Name		
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Rev 5/ 2014 (Assignment)

RECORDED: 11/21/2016