PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2567635

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SURYAPRAKASH KOMPALLI	04/20/2011
VENKATA GOPAL EDUPUGANTI	04/19/2011
VINAYAK AGARWAL	04/20/2011

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:	14110130

CORRESPONDENCE DATA

Fax Number: (970)778-4063 Phone: (541)715-8443

Email: pto.assignments@hp.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: HEWLETT-PACKARD COMPANY Address Line 1: 3404 E. HARMONY ROAD MS 35

Address Line 2: INTELLECTUAL PROPERTY ADMINISTRATION

Address Line 4: FORT COLLINS, COLORADO 80528

NAME OF SUBMITTER:	MICHAEL DRYJA
Signature:	/Michael Dryja/
Date:	10/07/2013

PATENT

REEL: 031355 FRAME: 0078

Total Attachments: 4
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PATENT REEL: 031355 FRAME: 0079 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80529

PATENT APPLICATION

ATTORNEY DOCKET NO.

700205145US01

ASSIGNMENT OF PATENT APPLICATION

VWe, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Taxas Limited Partnership having its principal place of business in Houston, Texas, (hereinallier HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its

entitled: Document Registration	
Filing Oats:	Accessional bills
P's), divisionals, and renewals of and Patent of the United States and of coreissues, or reexaminations, or extensionally authorize HF held and enjoyed by HPDC, its success terms for which said Letters Patent resame would have been held and enjoy AND I/we hereby coverant the we have not executed and will not executed the well, each time a request is mnecessary or desirable to perfect the Patent, to HPDC, its nominee, all known is extensive to the continuations, C-I-P's, reissue and for deverything possible to aid HPDC, enforce, for its or their own benefit, prounties provided the expenses which paid by HPDC; AND I/we hereby authorize a and any official of any country or or	Application No.: ((s) set forth therein, and any and all continuations, continuations-in-part (C-I-substitutes for said application for said Letters Patent, and any and all Letters puntries foreign thereto which may be granted thereon or therefore; and any lors of said Letters Patent. **PC to file applications in my/our name for Letters Patent in any country, to be scors, assigns, nominees or legal representatives, to the full end of the term or spectively may be granted, reissued or extended, as fully and entirely as the red by me/us had this assignment, and transfer not been made; not live have full right to convey the entire interest herein assigned, and that I/scute any agreement in conflict herewith, and I/we further covenant and agree lade, and without undue delay, execute and deliver all such papers as may be title to said invention(s) or improvement(s), said application and said Letters signs, nominees or legal representatives, and I/we agree to communicate to acts respecting said invention(s) or improvement(s), said application and said noceedings, to sign all isseful papers, to execute all disclaimers and divisionals, eign applications, to make all rightful caths and declarations, and generally to its successors, assigns, nominees and legal representatives to obtain and coper patent protection for said invention(s) or improvement(s) in any and all the may be incurred by me/us in lending such cooperation and assistance are not request the Commissioner of Patents and Trademarks of the United States ountries foreign to the United States whose duty it is to issue patents on HPDC, as assignee of the entire right, title and interest, any and all Letters
Patent for said invention(s) or improve be issued and granted on or as a resul	rnruc, as assignee or me entire right, this and interest, any and all centers ement(s), including any and all Letters Patent of the United States which may it of the application aforesaid, in accordance with the terms of this assignment, rect the altorneys of record to insert the serial number and filing date of said.
application now identified by the attor	ney docket number and title set forth above as soon as the same shall have ed States Petent and Trademark Office.
V. 5 / March	20 - 816 - 2017
Inventor's Signature	Cete Assignment Signed
	20- 111-
Suryaprakash KOMPALU Inventor's Typed Name	Date Application Signed
arventor's Sfinetino	Oste Assignment Signed
Verikata Gopai EDUPUGANTI	
Inventor's Typed Name	Date Application Signed
Res 1009 (Assignment)	Page 1 of 2

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

PATENT APPLICATION

ATTORNEY DOCKET NO.

700205145US01

ASSIGNMENT	OF PATENT APPLICATION (COM.)
ASSIGNMENT (20 Abril 2011
Inventor's Signature	Date Assignment Signed
PSCII	
Vinayak AGARWAL inventor's Typed Name	Date Application Signed
inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
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Inventor's Typed Name	Date Application Signed
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Inventor's Typed Name	Date Application Signed
inventor's Signature	Date Assignment Signed
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Page 2 of 2

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Rev 10/09 (Assignment)

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston,

Texas, (nereinater HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and it subsidiaries and affiliates, and do 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 Letters Patent of the United State entitled:	
Document	Registration
Filing Date:	Application No.:
and the invention(s) and improvement(s) set forth therein P's), divisionals, and renewals of and substitutes for said Patent of the United States and of countries foreign the reissues, or reexaminations, or extensions of said Letters I/we additionally authorize HPDC to file applicate held and enjoyed by HPDC, its successors, assigns, non-terms for which said Letters Patent respectively may be same would have been held and enjoyed by me/us had the AND I/we hereby covenant that I/we have full rive we have not executed and will not execute any agreement that I/we will, each time a request is made, and without unnecessary or desirable to perfect the title to said inventional to HPDC, its successors, assigns, nominees or HPDC, or to its nominee, all known facts respecting said Letters Patent, to testify in any legal proceedings, to sign continuations, C-I-P's, reissue and foreign applications, to do everything possible to aid HPDC, its successors, a enforce, for its or their own benefit, proper patent protection to the paid by HPDC; AND I/we hereby authorize and request the Corand any official of any country or countries foreign to applications as aforesaid, to issue to HPDC, as assigned Patent for said invention(s) or improvement(s), including the issued and granted on or as a result of the application.	n, and any and all continuations, continuations-in-part (C-I- I application for said Letters Patent, and any and all Letters ereto which may be granted thereon or therefore; and any Patent. Ions in my/our name for Letters Patent in any country, to be ninees or legal representatives, to the full end of the term or granted, reissued or extended, as fully and entirely as the nis assignment, and transfer not been made; ght to convey the entire interest herein assigned, and that if int in conflict herewith, and live further covenant and agree indue delay, execute and deliver all such papers as may be ion(s) or improvement(s), said application and said Letters regal representatives, and live agree to communicate to d invention(s) or improvement(s), said application and said all lawful papers, to execute all disclaimers and divisionals, to make all rightful oaths and declarations, and generally to ssigns, nominees and legal representatives to obtain and ction for said invention(s) or improvement(s) in any and all to by me/us in lending such cooperation and assistance are missioner of Patents and Trademarks of the United States the United States whose duly it is to issue patents on see of the entire right, title and interest, any and all Letters any and all Letters Patent of the United States which may aforesaid, in accordance with the terms of this assignment.
	of record to insert the serial number and filing date of said or and title set forth above as soon as the same shall have
been made known to them by the United States Patent a	nd Trademark Office.
Inventor's Signature	Date Assignment Signed
Suryaprakash KOMPALLI	
Inventor's Typed Name	Date Application Signed
E V Gopal	04/19/2011
Inventor's Signature	Date Assignment Signed
Venkata Gopal EDUPUGANTI	
Inventor's Typed Name	Date Application Signed

Page 1 of 2

PATENT REEL: 031355 FRAME: 0082 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorade 80528

PATENT APPLICATION

ATTORNEY DOCKET NO.

700205145US01

ASSIGNMENT OF PATENT APPLICATION (CONT.)	
ASSIGNMENT .	20 Abril 2011
Inventor's Signature	Date Assignment Signed
Vinayak AGARWAL	
inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
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Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
inventor's Signature	Date Assignment Signed
inventor's Typsd Name	Date Application Signed

Page 2 of 2

PATENT REEL: 031355 FRAME: 0083

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