503727095 03/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3773738

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JON R. DORY	09/11/2013
DAVID H. HANES	09/10/2013
JAMES GLENN DOWDY	09/04/2013

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:	14917395

CORRESPONDENCE DATA

Fax Number: (970)778-4063

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.

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD MS 35
Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84450024
NAME OF SUBMITTER:	CHRISTINE M. MANCHESTER
SIGNATURE: /Christine M. Manchester/	
DATE SIGNED:	03/08/2016

Total Attachments: 3

source=84450024SignedAssignment#page1.tif source=84450024SignedAssignment#page2.tif source=84450024SignedAssignment#page3.tif

PATENT 503727095 REEL: 037923 FRAME: 0116

HEWLETT-PACKARD COMPARY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 38 Fort Collins, Colorado 80528

Inventor's Typed Name

Inventor's Signature

Rev 1/2013 (Assignment)

David H Hanes Inventor's Typed Name

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorade 80528	RECORDID:	83268881
r or coms, coorado seczo	J ASSIGNMENT OF PATENT APPLICATION	
receipt of which is hereby a DEVELOPMENT COMPANY, Texas, (hereinafter HPDC), and	I (each) have agreed and hereby agree, that for goo- icknowledged, and in furtherance of my/our oblig L.P., a Texas Limited Partnership having its princip of to its subsidiaries and affiliates, to assign and tran- und interest, including the right of priority, in, to and	ations to HEWLETT-PACKARD at place of business in Houston, sfer to HPDC, its successors and
NEAR FIELD COMMUNICATION	on (NFC) data transfer	
Filling Date:	Application No.:	
divisionals, and renewals of an	rement(s) set forth therein, and any and all continuation of substitutes for said application for said Patent, and granted thereon or therefore; and any reissues, or res	i any and all other Patent of any
by HPDC, its successors, assign Patent respectively may be gran	IPDC to file applications in my/our name for Patent in a ris, nominees or legal representatives, to the full end o nted, reissued or extended, as fully and entirely as the nment, and transfer not been made;	of the term or terms for which said
executed and will not execute ar time a request is made, and with perfect the title to said inventions nominees or legal representative said invention(s) or improvemen papers, to execute all disclaims rightful oaths and declarations, and legal representatives to obta-	that I/we have full right to convey the entire interest here ny agreement in conflict herewith, and I/we further cove tout undue delay, execute and deliver all such papers a (s) or improvement(s), said application and said Patent, es, and I/we agree to communicate to HPDC, or to its in t(s), said application and said Patent, to testify in any I ers and divisionals, continuations, C-I-P's, reissue and and generally to do everything possible to aid HPDC, sin and enforce, for its or their own benefit, proper pater countries provided the expenses which may be in reald by HPDC;	nant and agree that I/we will, each s may be necessary or destrable to to HPDC, its successors, assigns, ominee, all known facts respecting egal proceedings, to sign all lawful t foreign applications, to make all its successors, assigns, nominees it protection for said invention(s) or
applications as aforesaid, to issu	and request the official of any country or countries we to HPDC, as assignee of the entire right, title and it which may be issued and granted on or as a resums assignment.	sterest, any and all Patent for said
	direct the attorneys of record to insert the filing dat fied by the Record ID and title set forth above, as soon	
IN WITNESS WHEREOF, I/	we hereunto set my/our hand(s) and seal(s):	
	Date Date	£012-2013
Inventor's Signature Jon R Dony	Oate	

Page 1 of 2

Date

HEWLETT-PACKARD COMPANY

Rev 1/ 2013 (Assignment)

		TION

3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83268881
ASSIGNME	NT OF PATENT APPLICATION	
	greed and hereby agree, that for good and in furtherance of my/our oblig Limited Partnership having its princip tries and affiliates, to assign and trans	pations to HEWLETT-PACKARD pal place of business in Houston, sfer to HPDC, its successors and
NEAR FIELD COMMUNICATION (NFC) DAT	a transfer	
Filling Date:	Application No.:	
and the invention(s) and improvement(s) set for divisionals, and renewals of and substitutes for countries thereto which may be granted thereor Patent.	r said application for said Patent, and	d any and all other Patent of any
I/we additionally authorize HPDC to file app by HPDC, its successors, assigns, nominees of Patent respectively may be granted, reissued o enjoyed by me/us had this assignment, and trans	r legal representatives, to the full end or extended, as fully and entirely as the	of the term or terms for which said
AND I/we hereby covenant that I/we have fix executed and will not execute any agreement in time a request is made, and without undue delay perfect the title to said invention(s) or improvem nominees or legal representatives, and I/we agresaid invention(s) or improvement(s), said applic papers, to execute all disclaimers and division rightful oaths and declarations, and generally to and legal representatives to obtain and enforce, improvement(s) in any and all countries provide cooperation and assistance are paid by HPDC:	conflict herewith, and I/we further cover, execute and deliver all such papers a ent(s), said application and said Patent ee to communicate to HPDC, or to its reation and said Patent, to testify in any lais, continuations, C-I-P's, reissue and overeighting possible to aid HPDC, for its or their own benefit, proper pate	enant and agree that I/we will, each as may be necessary or desirable to to the total tota
ANTONIA COMPANIA NA MANGRAM AND	on the Second 104 and the design of the latest and the design of the latest and t	dried who by the target and the target

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

triventor's Signature	Date
Jon R Dory	
Inventor's Typed Name	
AND HAME	9-10-2013
Inventor's Signature	Date
David H Hanes Inventor's Typed Name	

Page 1 of 2

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

PATENT APPLICATION

Fort Collins, Colorado 80528 ASSIGNMENT OF PATENT APPLICATION (cont.) James Glenn Dowdy Inventor's Typed Name Inventor's Typed Name Inventor's Signature Inventor's Typed Name Inventor's Signature Inventor's Typed Name Inventor's Signature Inventor's Typed Name

Page 2 of 2

PATENT REEL: 037923 FRAME: 0119

Rev 1/ 2013 (Assignment)