501892915 04/18/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David G BUTLER	03/27/2012
Kenneth K SMITH	04/09/2012
Andrew ALEGRIA	03/27/2012

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:	13434938

CORRESPONDENCE DATA

 Fax Number:
 (970)778-4063

 Phone:
 (541)715-8443

 Email:
 terri.tuma@hp.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

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: Betty Hinkle

Total Attachments: 6

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

PATENT APPLICATION

RECORD ID:	82900213
	Fall No.

ASSIGNMENT OF PATENT APPLICATION

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

Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its successors and lassigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States **ENCRYPTED PAYMENT IMAGE** Filing Date: March 30, 2012 Application No.: 13/434938 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND tiwe hereby covenant that liwe have full right to convey the entire interest herein assigned, and that if we have not executed and will not execute any agreement in conflict herewith, and live further covenant and agree that live will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C4-P's, reissue and foreign applications, to make all nightful paths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC: AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any difficial of any country or countries foreign to the United States 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 Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. tive further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the Record ID and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. 3/27/2612-Date Assignment Signed Inventor's Signature 2/27/2012— Date Application Signed David G Buller Inventor's Typed Name Data Assignment Signed Inventor's Signature Kenneth K Smith Inventor's Typed Name Date Application Signed

Rev Did 11 (Assignment) Page 1 of 2 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

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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, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its 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 States entitled.

entitled: **ENCRYPTED PAYMENT IMAGE** Filing Date: March 30, 2012 Application No.: 13/434938 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made: AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/ we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful paths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC: AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States 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 Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States 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 serial number and filing date of said application now identified by the Record ID and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. Inventor's Signature Date Assignment Signed David G Butler inventor's Typed Name Date Application Signed Invéntor's Signature 20/2 | Zorial | Zoria Kenneth K Smith Inventor's Typed Name

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Page 1 of 2

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

PATENT APPLICATION

RECORD ID:	82900213

ASSIGNMENT OF PATENT APPLICATION (cont.)

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subsidiaries and affiliates, and do hereby assign and transfer to H title and interest, including the right of priority, in, to and under an entitled:	PDC, its successors and assigns, the entire right application for Letters Patent of the United States
ENCRYPTED PAYMENT IMAGE	
Filing Date: March 30, 2012	cation No.: 13/434938
and the invention(s) and improvement(s) set forth therein, and an P's), divisionals, and renewals of and substitutes for said application Patent of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my held and enjoyed by HPDC, its successors, assigns, nominees or terms for which said Letters Patent respectively may be granted, same would have been held and enjoyed by me/us had this assign AND I/we hereby covenant that I/we have full right to con we have not executed and will not execute any agreement in conflict that I/we will, each time a request is made, and without undue dela necessary or desirable to perfect the title to said invention(s) or if Patent, to HPDC, its successors, assigns, nominees or legal rep HPDC, or to its nominee, all known facts respecting said invention Letters Patent, to testify in any legal proceedings, to sign all lawful continuations, C-I-P's, reissue and foreign applications, to make all do everything possible to aid HPDC, its successors, assigns, not enforce, for its or their own benefit, proper patent protection for siccountries provided the expenses which may be incurred by me/us paid by HPDC; AND I/we hereby authorize and request the Commissione and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the expense of the substitution of the said invention(s) or improvement(s), including any and a be issued and granted on or as a result of the application aforesaid, I/we further authorize and direct the attorneys of record to application now identified by the Record ID and title set forth abound to them by the United States Patent and Trademark Office.	on for said Letters Patent, and any and all Letters in may be granted thereon or therefore; and any all country, to be legal representatives, to the full end of the term or reissued or extended, as fully and entirely as the ment, and transfer not been made; vey the entire interest herein assigned, and that I/ lict herewith, and I/we further covenant and agree by, execute and deliver all such papers as may be improvement(s), said application and said Letters are sentatives, and I/we agree to communicate to h(s) or improvement(s), said application and said papers, to execute all disclaimers and divisionals, I rightful oaths and declarations, and generally to immees and legal representatives to obtain and aid invention(s) or improvement(s) in any and all in lending such cooperation and assistance are of Patents and Trademarks of the United States and States whose duty it is to issue patents on entire right, title and interest, any and all Letters all Letters Patent of the United States which may in accordance with the terms of this assignment, o insert the serial number and filing date of said we as soon as the same shall have been made
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Inventor's Typed Name

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

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