503817756 05/09/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN D. PANSHIN	05/16/2008
JEFFERSON P. WARD	05/16/2008
DAVID B. NOVAK	05/16/2008
GLENN D. MCCLOY	05/16/2008
BRIAN L. HELTERLINE	05/16/2008

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:	15149753

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.

Phone: (541)715-8443 **Email:** ipa.mail@hp.com

Correspondent Name: HP INC.

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

Address Line 4: FORT COLLINS, COLORADO 80528

NAME OF SUBMITTER: STEVEN L. NICHOLS SIGNATURE: /Steven L. Nichols/	
SIGNATURE: /Steven L. Nichols/	
DATE SIGNED: 05/09/2016	

Total Attachments: 4

PATENT REEL: 038517 FRAME: 0108

EPAS ID: PAT3864405

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

Rev 10/07 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. _

200800696-1

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:

title and interest, including the right of priority, entitled:	n and transfer to HPDC, its successors and assigns, the entire right, n, to and under an application for Letters Patent of the United States LUDING A MEMORY STORING A TAG ENCRYPTION MASK
Filing Date: November 24, 2010	12/994,756
and the invention(s) and improvement(s) set for P's), divisionals, and renewals of and substitute Patent of the United States and of countries to reissues, or reexaminations, or extensions of sall/we additionally authorize HPDC to fill	rth therein, and any and all continuations, continuations-in-part (C-les for said application for said Letters Patent, and any and all Letters preign thereto which may be granted thereon or therefore; and any
terms for which said Letters Patent respectively same would have been held and enjoyed by me AND I/we hereby covenant that I/we have not executed and will not execute any that I/we will, each time a request is made, and necessary or desirable to perfect the title to see Patent, to HPDC, its successors, assigns, nor HPDC, or to its nominee, all known facts respectives Patent, to testify in any legal proceeding continuations, C-I-P's, reissue and foreign apple do everything possible to aid HPDC, its succeenforce, for its or their own benefit, proper pat countries provided the expenses which may be paid by HPDC; AND I/we hereby authorize and request and any official of any country or countries is applications as aforesaid, to issue to HPDC, as	y may be granted, reissued or extended, as fully and entirely as the /us had this assignment, and transfer not been made; ave full right to convey the entire interest herein assigned, and that I/ agreement in conflict herewith, and I/we further covenant and agree without undue delay, execute and deliver all such papers as may be id invention(s) or improvement(s), said application and said Letters innees or legal representatives, and I/we agree to communicate to ecting said invention(s) or improvement(s), said application and said is, to sign all lawful papers, to execute all disclaimers and divisionals, cations, to make all rightful oaths and declarations, and generally to essors, assigns, nominees and legal representatives to obtain and ent protection for said invention(s) or improvement(s) in any and all incurred by me/us in lending such cooperation and assistance are assigned to the United States whose duty it is to issue patents on as assignee of the entire right, title and interest, any and all Letters
be issued and granted on or as a result of the a l/we further authorize and direct the a	including any and all Letters Patent of the United States which may oplication aforesaid, in accordance with the terms of this assignment torneys of record to insert the serial number and filing date of said at number and title set forth above as soon as the same shall have Patent and Trademark Office.
IN WITNESS WHEREOF, I/we hereunto se	t my/our hand(s) and seal(s):
Inventor's Signature (Seal)	May 16, 2008 Date Assignment Signed
Stephen D. Panshin Inventor's Typed Name	May 16, 2008 Date Application Signed
State of)	s.:
County of)	
Before me this day of , personally known or proved to me on the basis of satisfactory assignment to be his/her free act and deed.	ppeared Stephen D. Panshin who is personally evidence to be the person who acknowledged the foregoing instrument of
	Notary Public My Commission Expires:

Page 1 of 3

HEWLETT-PACKARD COMPANY
intellectual Property Administrator
P.O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200800698-1

ASS	ignment of patent.	APPLICATION (cont.)	
IN WITNESS WHEREOF, I	we hereunto set my/our hand(s) and soal(s):	
alluson P. Was	<i>[</i>	5/16/08	
iprempre Signature (Seel)		Date Assignment Signed	
///// Jefferson P. Ward		5/14/00	
Inventor's Typed Name	T-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Date Application Signed	TOTO WHO CHARLES AND COMMON TO STATE OF
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Sefore me this day of	, personally appeared	Jefferson P. Ward who is p	ersonally
known or proved to me on the basia	of satisfactory evidence to be	the person who acknowledged the foregoing instr	iment of
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David B. Novak			
nvantora Typed Name	Ментен и при при при при при при при при при п	Date Application Signed	ROUGHAMMAKK
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Blenn D. McCloy			
rventor's Typed Name	***************************************	Date Application Signed	
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iou 9027 (Soekamani)	Page 2 of 3	My Commission Expires:	

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO.

200800696-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Inventor's Signature (Seal)		Date Assignment Signed	
Jefferson P. Ward			
Inventor's Typed Name		Date Application Signed	
State of)		
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Before me this day of	, personally appeared	Jefferson P. Ward	who is personally
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Inventor's Signature (Seal)		Date Assignment Signed	
David B. Novak	•	5-16-0	f
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Glenn D. McCloy Inventor's Typed Name		Date Application Signed	
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Before me this day of	, personally appeared asis of satisfactory evidence to be the	Glenn D. McCloy	who is personally
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Rev 10/07 (Assignment)	Page 2 of 3	My Commission Expires:	

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PATENT APPLICATION

ATTORNEY DOCKET NO. ______ 200800696-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

De J. MIXT		5/11/12000
Inventor's Signature (Seal)		Date Assignment Signed
Brian L. Helterline		5/16/2000
Inventor's Typed Name		Daté Application Signed
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Before me this day of	, personally appeared	Brian L. Helterline who is person
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PATENT REEL: 038517 FRAME: 0113

RECORDED: 05/09/2016