502948483 08/25/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2995081

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT		
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR DOUGLAS L. VOIGT IS MISSING AS SIXTH (6TH) INVENTOR previously recorded on Reel 007466 Frame 0065. Assignor(s) hereby confirms the 6TH INVENTOR/ASSIGNEE IS DOUGLAS L. VOIGT.		

CONVEYING PARTY DATA

Name	Execution Date
MARVIN D NELSON	02/10/1995
THERESA A BURKES	02/10/1995
BRYAN M DIAMOND	02/10/1995
MICHAEL B JACOBSON	02/10/1995
WADE A DOLPHIN	02/10/1995
DOUGLAS L. VOIGT	02/10/1995

RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD COMPANY		
Street Address:	3000 HANOVER ST.		
City:	PALO ALTO		
State/Country:	CALIFORNIA		
Postal Code:	94304		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Patent Number:	5666512	

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: 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

ATTORNEY DOCKET NUMBER: 81956093

NAME OF SUBMITTER: HEATHER ELLIS

SIGNATURE: /Heather Ellis/

PAIENI

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DATE SIGNED:	08/25/2014
Total Attachments: 5	
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FORM PTO 1595	THE HAS LESS BOTH BOTH BOTH BOTH BOTH BOTH BOTH BOTH
1-31-92 7 RECORDAT	Patent and Trademark Office
1. Name of conveying party(les):	2. Name and address of receiving party(ics):
(i) Marvin D. Nelson	HEWLETT PACKARD COMPANY
(2) Theresa A. Burkes	Legal Department, M/S 2080
(3) Bryan M. Diamond	3000 Hanover Street
(4) Michael B. Jacobson	Palo Alto, CA 94304
(5) Wade A. Dolphin	
Additional name(s) of conveying party(ies) attached? X Yes No	Addational name(s) & address(es) attached? — Yes X No
3. Nature of Conveyance:	
X Assignment Merge	cr
Security Agreement Chan	ge of Name
Other	
Execution Date(s) <u>02/10/95</u>	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new apparatio	on the execution date of the application is:
A. Palent Application No.(8)	R Palent Ne.(s)
08/386,574 Date Filed: <u>02/10/95</u>	
Additional nu	mbers attached? NO
5. Name and address of party to whom correspondence concerning document should be mailed:	5 Total number of applications and patents involved: 1
Records Manager	7. Total Fee (37 CFR 3.41): \$40.00
HEWLETT-PACKARD COMPANY	Enclosed
Legal Department, M/S 374	X Authorization to be charged to deposit account
P. O. Box 15	8. Deposit Amount Number: <u>08-2025</u>
Boise, 10 83707	(attach duplicate copy of this page if paying by deposit account)
TON OC	USE THIS SPACE
9 Statement and signature.	
To the best of my knowledge and belief, the foregoing inter- the original document.	mation is true and correct and any attached copy is a true copy of
Betty Hinkle Seery 7	knill 12, 1995
Name of Person Signing Signature	Date
	number of pages accluding cover sheet, attachments, and accument. ?
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Mail document to be recorded with required cover sheet info	
Commissioner o	of Palenis and Trademarks
	ox Assignment ngton, D.C. 20231

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Additional name(s) of conveying party(ies):

(6) Douglas L. Voigt

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> PATENT REEL: 033605 FRAME: 0776

When recorded please return to:
HEWLETT-PACKARD COMPANY
Legal Department, 20BO
P. O. Box 10301
Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 1094631-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a California corporation having its principal place of business in Palo Alto, California, (hereinafter HP), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to HP, 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:

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and the way not all continuations, continuations in the same would have not executed and will not execute any agreement in conflict herewith, and large at the same would have been held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the or terms for which said Letters Patent. AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and they are the same would have been held and enjoyed by ma/us had this assignment, sale and transfer not be made; AND I/we have not executed and will not execute any agreement in conflict herewith, and live further covenant agree that I/we will, each time a request is made, and without not due delay, execute and deliver all supapers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), and application and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, a law agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) said application and said Letters Patent, to testify in any legal proceedings, to sign all avapapers, to execute all disclaimers and divisionals, continuations, C-HP's, reissue and foreign applications make all rightful oaths and declarations, and generally to do everything possible to aid HP is successcassigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper pat protection for said invention(s) or improvement(s) in any not all countries provided the expenses which more incurred by me/us in lending such cooperation and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letter Patent for said invention(s) or improvement(s), including any and a	Data				ng Hot Spare Resources To Store Use
(C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any a all Letters Patent of the United States and of countries foreign thereto which may be granted thereon herefor; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the te or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entire as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not be made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and till yew have not executed and will not execute any agreement in conflict herewith, and I/we further covenant agree that I/we will, each time a request is made, and without undue delay, execute and deliver all supapers as may be necessary or desirable to perfect the title to said invention; and deliver all supapers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, made all rightful oaths and declarations, and generally to do everything possible to aid his papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, make all rightful oaths and declarations, and generally to do everything possible to aid further provided the expenses which more incurred by me/us in lending such cooperation and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letter Patent for said invention(s) or improvement(s) in any and all countries provided the expenses which may be further authorize and direct HP attorneys to insert the se	Filing date:	02/10/95		Serial No.:	08/386,574
reld and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the te or terms for which said Letters Patent respectively may be gramted, reissued or extended, as fully and entire as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not be made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and the lower have not executed and will not execute any agreement in conflict herewith, and I/we further covenant a agree that I/we will, each time a request is made, and without undue delay, execute and deliver all superpers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), siapplication and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, application and said Letters Patent, to testify in any legal proceedings, to sign all law pampers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, pampers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, and generally to do everything possible to aid HP, its successors assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper pate protection for said invention(s) or improvement(s) in any and all countries provided the expenses which more incurred by me/us in lending such cooperation and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United State and any official of any country or countries foreign to the United States whose duty it is to issue patents applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Lett Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States whose divided the toreign and the same shall have be made known to them by the United States	(C-I-P's), div all Letters F	visionals, and rene Patent of the Unit	ewals of and substited States and of o	utes for said applic countries foreign t	cation for said Letters Patent, and any ar thereto which may be granted thereon
//we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant a agree that I/we will, each time a request is made, and without undue delay, execute and deliver all suppers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), sapplication and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, a live agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all law papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, make all rightful oaths and declarations, and generally to do everything possible to aid HP, its successors assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patrortection for said invention(s) or improvement(s) in any and all countries provided the expenses which more incurred by me/us in lending such cooperation and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United Stand any official of any country or countries foreign to the United States whose duty it is to issue patents applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letter Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States where a subject and granted on or as a result of the application aforesaid, in accordance with the terms of the assignment. I/we further authorize and direct HP attorneys to insent the serial number and filing date of said application of dentified by the attorney docket number and title set forth above as soon as the same shall have be made known to them by the United States Patent and Trademark Office. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Ap	held and en or terms for as the same	ijoyed by HP, its si which said Letters	uccessors, assigns s Patent respective	, nominees or legal ly may be granted,	il representatives, to the full end of the ter , reissued or extended, as fully and entire
and any official of any country or countries foreign to the United States whose duty it is to issue patents applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Lett Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States where we have been significant or as a result of the application aforesaid, in accordance with the terms of the assignment. I/we further authorize and direct HP attorneys to insert the serial number and filling date of said applications identified by the attorney docket number 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. IN WITNESS WHEREOF, I/we here unto set my/our hand(s) and seal(s):	I/we have no agree that is papers as a application I/we agree improvemer papers, to emake all rigassigns, no protection for agreements.	ot executed and will/we will, each timmay be necessar and said Letters to communicate this, said applicate execute all disclain this and diminess and legal or said invention(s)	rill not execute any ne a request is may or desirable to present, to HP, its so to HP, or to its iton and said Letter mers and divisional eclarations, and grepresentatives to or improvement(s	agreement in conflicted, and without uperfect the title to successors, assign nominee, all knows a patent, to testify is, continuations, Cenerally to do ever obtain and enforces) in any and all co	lict herewith, and I/we further covenant ar undue delay, execute and deliver all suc- said invention(s) or improvement(s), sa- is, nominees or legal representatives, ar- own facts respecting said invention(s) in any legal proceedings, to sign all law C-I-P's, reissue and foreign applications, rything possible to aid HP, its successor e, for its or their own benefit, proper pate ountries provided the expenses which man
now identified by the attorney docket number and title set forth above as soon as the same shall have be made known to them by the United States Patent and Trademark Office. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):	and any off applications Patent for s may be issu	ficial of any countries as aforesaid, to aid invention(s) or ued and granted or	ry or countries fore issue to HP, as ass improvement(s), in	ign to the United S ignee of the entire icluding any and a	States whose duty it is to issue patents or ignt, title and interest, any and all Lette all Letters Patent of the United States which
Date Assignment Signed: 2-10-95	now identifi	ied by the attorne	v docket number a	nd title set forth ab	bove as soon as the same shall have be
Date Assignment Signed: 2-10-95	IN WITN	IESS WHEREOF, I	/we hereunto set m	y/our hand(s) and	seal(s):
State of Idaho) ss.: County of Ada) Before me this 10 day of February, 1995 personally appeared Marvin D. Nelson who personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrume assignment to be his/her free act and deed.	Man Inventor's Sign		lebon	Date Assignment S	Signed: 2-10-95
Before me this 10 day of February, 1995 personally appeared Marvin D. Nelson who personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrume assignment to be his/her free act and deed.	Inventor's Type	ed Name: Marvin D.	Nelson	Date Ap	oplication Signed: 2-10-95
Before me this 10 day of February, 1995 personally appeared Marvin D. Nelson who personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrume assignment to be his/her free act and deed.	State of Ide	aho)		
personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrume assignment to be his/her free act and deed. Company C	County of Ac	ia) ss.:)		
	personally kno	own or proved to me o	n the basis of satisfacto		person who acknowledged the foregoing instrument

(Use Page Two For Additional Inventor(s) Signature(s))

Page 1 of 3

Rev 02/95 (Form 3.03)

PATENT

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PATENT

REEL: 033605 FRAME: 0777

When recorded please return to: HEWLETT-PACKARD COMPANY Lagal Department, 2080 P. O. Box 10301 Palo Alto, California 94303-0890

PATENT APPLICATION ATTORNEY DOCKET NO. 1094631-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set my/our	hand(s) and seal(s):
Inventor's Signature (Seat)	Date Assignment Signed: 2/13/95
Inventor's Typed Name: Theresa A. Burkes	Date Application Sig. ed: 2/10/95
State of Idaho)	
County of Ada)	
Before me this 10 day of February, 1995 personally known or proved to me on the basis of satisfactory assignment to be his/her free act and deed.	sonally appeared Theresa A. Burkes who is evidence to be the person who acknowledged the foregoing instrument of
	Notary Public My commission expires: 92/12/97
Basem M Daway	Date Assignment Signed: 2/10/95
Inventor's Typed Name: Bryan M. Diamond	Date Application Signed: 2/10/95
State of Idaho) sec:	
Before me this 10 day of February, 1995 , personally known or proved to me on the basis of satisfactory assignment to be his/her free act and deed.	sonally appeared Bryan M. Diamond who is evidence to be the person who acknowledged the foregoing instrument of Notary Public Wy commission excerss: 02/12/97
Michael B Jacohan Inventor's Signature (Seaf)	Date Assignment Signed: 2/10/45
Inventor's Typed Name: Michael B. Jacobson	Date Application Signed: Z/10/95
State of Idaho)	
County of Ada) ss.:	
Before me this 10 day of February, 1995, perspersonally known or proved to me on the basis of satisfactory assignment to be his/her free act and deed.	evidence to be the person who acknowledged the foregoing instrument of Notary Public My commission expires: 82/32/97

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 3

Rev 02/95 (Form 3.03)

PATENT

REEL: 033605 FRAME: 0778

When recorded please return to:
HEWLETT-PACKARD COMPANY
Legal Department, 20BO
P. O. Box 10301
Palo Aito, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 1094631-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we	hereunto set my/	our hand(s) and seal(s):	
Wode a D	Mar.	Date Assignment Signed:	2/10/95
Inventor's Signature (Seal)	- Jew	Date / doignitent digited.	
Inventor's Typed Name: Wade A. D	olphin	Date Application	on Signed: 2/10/95
State of Idaho			
State of Idaho) ss.:		
County of Ada)		
Before me this 10 day of personally known or proved to me o	February, 1995 ,	personally appeared <u>Wat</u>	de A. Dolphin who is who acknowledged the foregoing instrument of
assignment to be his/her free act and		nory exiculto to be the person	A A
			Poster 17/2 bles
			Notary Public
			My commission expires: m2/12/97
0	: *		_
Janglio S. Nagt Inventor's Signature (Seal)		Date Assignment Signed:	2/10/95
Inventors Signature (Seal)			
Inventor's Typed Name: Douglas L	. Voigt	Date Applicati	on Signed: 2/10/95
State of Idaho	Y		
) ss.:		
County of Ada)		
Before me this 10 day of F	Sahmiani 1005	netsonally anneared Dou	uglas L Voigt who is
personally known or proved to me o	on the basis of satisfac	tory evidence to be the person	who acknowledged the foregoing instrument of
assignment to be his/her free act and	deed:		man de la
			Story I Denkle
		/	My commission expires: 92/12/97
		/	The second section of the second section of the second section of the second section s
Inventor's Signature (Seal)		Date Assignment Signed:	
Income de Your et Aleman			
Inventor's Typed Name:		Date Applicati	on Signed:
State of)		
) 68.:		
County of)		
Before me this day of		, personally appeared	who is
personally known or proved to me o	on the basis of satisfac	tory evidence to be the person	who acknowledged the foregoing instrument of
assignment to be his/her free act and			
			Notary Public
			My commission expires:

(Use Next Page For Additional Inventor(s) Signature(s))

Rev 10/94 (Form 3.03A)

PATENT

REEL: 7466 FRAME: 0069

PATENT

Page 3 of 3

REEL: 033605 FRAME: 0779

RECORDED: 08/25/2014

RECORDED: 04/17/1995