FORM PTO-1595	02-15-20		U.S. DEPARTMENT OF COMMERCE
1-31-92		ET	Patent and Trademark Office
	10198390)4	Attorney Docket No. 100110003-1
 Name of conveying party(ies): Daniel R. Dwyer, Jeffrey G. Bi Michael M. Leon, Melissa S. G Donald R. McClelland, Michael Howard G. Wong, Michael J. A 	ngham, sedraitis, l K. Bowen,	2. Name and add HEWLETT-PA Intellectual Pr P.O. Box 272	ress of receiving party(ies): CKARD COMPANY operty Administration 400 colorado 80527-2400
Mark D. Zinser, Peter G. Hwar			
Maaike L. Evers	1-28-02	1	
Additional name(s) of conveying party(ies) attachedYesX No	Additional name(s) &	address(es) attached?Yes _X_ No
3. Nature of Conveyance:			
X Assignment	Merger	-	Change of Name
Security Agreement	Other		
Execution Date(s): Aug. 22, 200	1/Oct. 2, 2001/Oct. 24	, 2001/Nov. 2, 200	01/Nov. 15, 2001
4. Application number(s) or pater		·	
If this document is being filed to	gether with a new appli	cation, execution d	ate of the application is:
A. Patent Application No.(s)		B. Patent No.(s)	
Serial No.: 29/147,340 Date Fil	ed: Aug. 27, 2001		JAN 28 9009
	Additional number	ers attached? NO	
Name and address of party to concerning document should be	· · · · · · · · · · · · · · · · · · ·	6. Total number of	of applications and patents involved: 1
Records Manager		7. Total Fee (37 (CFR 3.41): \$40.00
HEWLETT-PACKARD CON Legal Department	IFANT	Enclose	ed
PO Box 8906 Vancouver, WA 98668-8	906	X Author	zation to be charged to deposit account.
2/14/2002 ANNED1 00000078 082025	29147340	8. Deposit Accou	unt Number: <u>08-2025</u>
1 FC:561 40.00 CH	DO NOT US	E THIS SPACE	
9. Statement and signature. To the best of my knowledge and true copy of the original document		information is true a	and correct and any attached copy is a
Bridgett Morrison	Duk		Dec 04, 2001
Name of Person Signing	Signature		Date
Tot	al number of pages includ	ing cover sheet, attac	chments, and document: 6
OMB No. 0651-0011 (exp. 4/94)			
Mail document to be recorded wi	th required cover sheet Commissi Box A	ch this portion information to: oner for Patents Assignment on, D.C. 20231	
<u> </u>			PATENT

PATENT REEL: 012568 FRAME: 0180

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ATTORNEY DOCKET NO. 100110003-1

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

Inkjet Printer

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby 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 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 therefor; 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 be held and enjoyed by HP, 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 transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assignment, and ransfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assignment of proceedings, and application and said Letters Patent, to the full representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), and applications, to make all rightful oaths and declarations, and generally to do confidency applications, to make all right	Filing date: Aug. 23, 2001	Serial No.:29/147,340
be held and enjoyed by HP, 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 HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, 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 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 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 HP; 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 HP, as assignee of the entire right, title and inventions of the united States which may be insured and inventions of the united States which may be insured and inventions of the united State	continuations-in-part (C-I-P's), divisionals, and rene Letters Patent, and any and all Letters Patent of the may be granted thereon or therefor; and any reissu	wals of and substitutes for said application for said United States and of countries foreign thereto which
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 HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, 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 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 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 HP; 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 HP, as assignae 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 HP attorneys to insert the serial number and filing date of said application now 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. Date Application Sign	be held and enjoyed by HP, its successors, assigns the term or terms for which said Letters Patent re fully and entirely as the same would have been he	nominees or legal representatives, to the full end of spectively may be granted, reissued or extended, as
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 HP, 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 HP attorneys to insert the serial number and filing date of said application now 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. INWITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed: State of Daniel R. Dwyer who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.	that I/we have not executed and will not execute covenant and agree that I/we will, each time a req deliver all such papers as may be necessary or comprovement(s), said application and said Letters Parepresentatives, and I/we agree to communicate to invention(s) or improvement(s), said application proceedings, to sign all lawful papers, to execute reissue and foreign applications, to make all rig everything possible to aid HP, its successors, assig enforce, for its or their own benefit, proper patent any and all countries provided the expenses which re-	any agreement in conflict herewith, and I/we further uest is made, and without undue delay, execute and desirable to perfect the title to said invention(s) or tent, to HP, its successors, assigns, nominees or legal HP, or to its nominee, all known facts respecting said and said Letters Patent, to testify in any legal all disclaimers and divisionals, continuations, C-I-P's, htful oaths and declarations, and generally to do ns, nominees and legal representatives to obtain and protection for said invention(s) or improvement(s) in
application now 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 hereunto set my/our hand(s) and seal(s): Date Assignment Signed: C/22/6/	States and any official of any country or countries patents on applications as aforesaid, to issue to HP, and all Letters Patent for said invention(s) or improunited States which may be issued and granted	oreign to the United States whose duty it is to issue as assignee of the entire right, title and interest, any rement(s), including any and all Letters Patent of the
Inventor's Signature (Seal) Inventor's Typed Name: Daniel R. Dwyer Date Application Signed: State of Section 1 Date Application Signed: Date A	application now identified by the attorney docket n	umber and title set forth above as soon as the same
State of) ss.: County of) ss.: Before me thisday of personally appeared who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public	Date Date	
Before me this day of personally appeared Daniel R. Dwyer who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.	Inventor's Typed Name: Daniel R. Dwyer	Date Application Signed: 2/2/2/6/
Before me this day of personally appeared Daniel R. Dwyer who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.	State of	
personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public		
•	personally known or proved to me on the basis of satisfacto	
		·-

Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 100110003-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto s	set my/our hand(s) and seal(s):
Inventor's Signature (Seal)	Date Assignment Signed: 08/22/0/
	Date Application Signed: 08/22/01
Inventor's Typed Name: Jeffrey G. Bingham	Date Application Signed:
State of)	
County of	•
Before me this day of	, personally appeared Jeffrey G. Bingham who is
	is of satisfactory evidence to be the person who acknowledged the foregoing
	Name O.A.
	Notary Public My commission expires:
i i a di B	
Miller M. Keen	Date Assignment Signed: 08/27/51
Inventor's Signature (Seal)	Date Assignment digned.
Inventor's Typed Name: Michael M. Leon	Date Assignment Signed: 08/22/0/ Date Application Signed: 08/22/0/
State of	
County of)	
Before me this day of	personally appeared Michael M. Leon who is is of satisfactory evidence to be the person who acknowledged the foregoing did deed.
	Notary Public My commission expires:
Miliera Leclo	Date Assignment Signed: 8/22/01
Inventor's Typed Name: Melissa S. Gedraitis	Date Application Signed: 8/22/04
State of	
) ss.	:
County of	
Before me this day of	, personally appeared Melissa S. Gedraitis who is sof satisfactory evidence to be the person who acknowledged the foregoing dideed.
	Notary Public
	My commission expires:

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

Page 2 of 5

HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400

Fort Collins, Colorado 80527-2400

PATENT APPLICATION
ATTORNEY DOCKET NO. 100110003-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we her	eunto set m	y/our hand(s) and seal(s):
Inventor's Signature (Seal)	ille C	Date Assignment Signed: 11-17-C1
Inventor's Typed Name: Donald R. McCle	elland	Date Application Signed: 11-17-C
State of 'Nashington)	
County of Claurk) ss.: }	MAL MANAGE
Before me this \(\frac{1}{2} \) day of \(\frac{1}{2} \) personally known or proved to me on instrument of assignment to be his/her frace.	the basis 😝 s	who is satisfactory evidence to be the person who acknowledged the foregoing
	HIIIIIIIIII	OF WASHINGTON
Madall Cowe Inventor's Signature (Seal)		
Inventor's Typed Name: Michael K. Bowe	en	Date Application Signed: August 22, Cox (
State of)	
County of) ss.: }	
Before me this day of personally known or proved to me on instrument of assignment to be his/her fro	the basis of s	, personally appeared Michael K. Bowen who is satisfactory evidence to be the person who acknowledged the foregoing it.
		Notary Public
		My commission expires:
Harris wa		Date Assignment Signed: ///// /
Inventor's Signature (Seal)		,
Inventor's Typed Name: Howard G. Won	9	Date Application Signed: // L/U/
State of)	
County of) ss.:)	
Before me this day of		personally appeared Howard G. Wong who is
personally known or proved to me on instrument of assignment to be his/her fre	the basis of s	atisfactory evidence to be the person who acknowledged the foregoing
		Notary Public
		My commission expires:

Page 3 of 5

PATENT APPLICATION ATTORNEY DOCKET NO. 100110003-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Michael Allison	Date Assignment Signed: Aug 22, 2007 Date Application Signed: Aug 22, 2007
Inventor's Signature (Seal)	
Inventor's Typed Name: Michael J. Allison	Date Application Signed: Awg 22, 2001
State of	
County of	
Before me this day of personally known or proved to me on the bainstrument of assignment to be his/her free act	personally appeared Michael J. Allison who is asis of satisfactory evidence to be the person who acknowledged the foregoing and deed.
	Notary Public My commission expires:
Inventor's Signature (Seal) Inventor's Typed Name: Market. Zinser	Date Assignment Signed: 10/24/01 Date Application Signed: 10/2401
State of CALIFORNIA)	 :
County of SONOMA)	
Before me this	Mark D. Zinser who is assistance of satisfactory evidence to be the person who acknowledged the foregoing and deed. LORRAINE A. LEAL COMM. 1300452 NOTARY PUBLIC CALIFORNIA SONOMA COUNTY My Comm. Expires May 9, 2005 Date Assignment Signed: Mark D. Zinser who is acknowledged the foregoing and deed. My commission expires: May 9, 200/
Inventor's Signature (Seal)	
Inventor's Typed Name: Peter G. Hwang	Date Application Signed: 8/22/01
State of	
County of	5.:
Before me this day of	personally appeared Peter G. Hwang who is
personally known or proved to me on the binstrument of assignment to be his/her free act	asis of satisfactory evidence to be the person who acknowledged the foregoing
	Notary Public
	My commission expires:

Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 100110003-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITHE	SS WHEREOF, I we hereunto	set my/our hand(s) and seal(s):
Inventor's Si	ignature (Seal)	Date Assignment Signed: 0020
Inventor's Ty	yped Name: Maaike L. Evers	Date Application Signed: 10 02 01
State of C	California)	
State of C	of the solution is	
County of	california Caute Cara so ne this 2nd day of Octob	2 mm /
Before n	ne this 2nd day of Octob	, personally appeared Maaike L. Evers who is
personally k	nown or proved to me on the b	asis of satisfactory evidence to be the person who acknowledged the foregoing
instrument o	of assignment to be his/her free act	UNDA C. TURNEY Commission # 1163284 Notary Public - California Santa Clara County My Comm. Expires Nav 27, 2001 UNDA C. TURNEY Notary Public My commission expires: 11-27-2001
Inventor's Si	ignature (Seal)	Date Assignment Signed:
Inventor's T	yped Name:	Date Application Signed:
State of)	
County of) ss)	••
Before n	ne this day of	, personally appeared who is
	nown or proved to me on the b of assignment to be his/her free act	asis of satisfactory evidence to be the person who acknowledged the foregoing and deed.
		Notary Public
		My commission expires:
Inventor's Si	ignature (Seal)	Date Assignment Signed:
	yped Name:	Date Application Signed:
State of	ì	
) ss	.:
County of)	
Before n	ne this day of	, personally appeared who is
personally k	nown or proved to me on the b of assignment to be his/her free act	asis of satisfactory evidence to be the person who acknowledged the foregoing
		Notary Public
		My commission expires:

Page 5 of 5

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

PATENT REEL: 012568 FRAME: 0185