858 655 5859 P.01/05 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

RECORDATION FORM COVER SHEET

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Attorney Docket No. 10007694-1

TAILITO	Attorney Docket No. 1000/034-1				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):				
Joseph M. Torgerson, 11/27/00	HEWLETT-PACKARD COMPANY				
Bruce Cowger, 11/22/00	Intellectual Property Administration P.O. Box 272400				
David M. Hurst, 01/23/01	Fort Collins, Colorado 80527-2400				
Mark H. MacKenzie, 11/29/00					
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): 11/27/00, 11/22/00, 01/23/01, & 11	/29/00, respectively				
4. Application number(s) or patent number(s):					
If this document is being filed together with a new application	cation, execution date of the application is:				
A. Patent Application No.(s)	B. Patent No.(s)				
Serial No.: 09/702,141 Date Filed: 10/30/00					
Additional numbe	ers attached? NO				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
Records Manager HEWLETT-PACKARD COMPANY	7. Total Fee (37 CFR 3.41); \$40.00				
Sarah J. O'Brien, MS 66-838	Enclosed				
16399 West Bernardo Drive San Diego, CA 92127-1899	X Authorization to be charged to deposit account.				
	8. Deposit Account Number: 08-2025				
DO NOT USE THIS SPACE					
9. Statement and signature.					
	nformation is true and correct and any attached copy is a				
$O \cap O \cap O$.					
Sarah J. O'Brien (
Name of Person Signing Signature Date					
Total number of pages including cover sheet, attachments, and document: 5					
OMB No. 0651-0011 (exp. 4/94)					
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	oner for Patents Assignment				
	on, D.C. 20231				

PATENT

REEL: 011275 FRAME: 0405

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858 655 5859 P.02/05

ATTORNEY DOCKET NO. 10007694-1

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

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:

INKJET PRINTHEAD AND METHOD FOR THE SAME	
Filing date: 10/30/00	Serial No.: 09/702,141
continuations-in-part (C-I-P's), divisionals, and reneventers Patent, and any and all Letters Patent of the	forth therein, and any and all continuations, wals of and substitutes for said application for said United States and of countries foreign thereto which les, or reexaminations, or extensions of said Letters
be held and enjoyed by HP, its successors, assigns, the term or terms for which said Letters Patent res	in my/our name for Letters Patent in any country, to nominees or legal representatives, to the full end of spectively may be granted, reissued or extended, as ald and enjoyed by me/us had this assignment, and
that I/we have not executed and will not execute a covenant and agree that I/we will, each time a required eliver all such papers as may be necessary or dimprovement(s), said application and said Letters Patrepresentatives, and I/we agree to communicate to invention(s) or improvement(s), said application proceedings, to sign all lawful papers, to execute a reissue and foreign applications, to make all right everything possible to aid HP, its successors, assign approve for its or their own benefit, proper patent	ght to convey the entire interest herein assigned, and any agreement in conflict herewith, and I/we further test 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 not not not said invention(s) or improvement(s) in nay be incurred by me/us in lending such cooperation
States and any official of any country or countries f patents on applications as aforesaid, to issue to HP, and all Letters Patent for said invention(s) or improve	mmissioner of Patents and Trademarks of the United foreign 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 on or as a result of the application aforesaid, in
I/we further authorize and direct HP attorneys application now identified by the attorney docket no shall have been made known to them by the United States.	s to insert the serial number and filing date of said umber and title set forth above as soon as the same States Patent and Trademark Office.
IN WITNESS WINER OF We hereunto set my/o Whereunto set my/o Inventor's Signature (Seal)	Assignment Signed: 11/27/2000
Inventor's Typed Name: <u>Joseph M. Torgerson</u>	Date Application Signed:
State of Oregon) ss.:	
County of	
Before me this 27th day of 12th Du 20 personal personally known or proved to me on the basis of satisfactor instrument of assignment to be his/her free act and deed.	who is ry evidence to be the person who acknowledged the foregoing
OFFICIAL SEAL SANDI L KOCH NOTARY PUBLIC-ORE COMMISSION NO. 32	

MY COMMISSION EXPIRÉS OCT 5, 2003

HP SAN DIEGO LEGAL

858 655 5859 P.03/05

ATTORNEY DOCKET NO. __10007694-1

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

ASSIGNMENT OF PATENT APPLICATION (cont.)

- /	5.6.	22 44 (27)
Inventor's	Signature (Seel)	Date Assignment Signed: 2 Z Nov 00
		Date Application Signed: つと、ルシ <i>の</i> む
	Oregon)	
State of	-	
County of	Bertsh, 1ss.:	
Before	me this 22 day of Nov. 200	personally appeared <u>Bruce Cowger</u> who is
personally	Known of brosed to me on the pasis	at satisfactory evidence to be the person who acknowledged the loregoing
instrument	t of assignment to be his/her free act and	OFFICIAL SEAL JURESA K. Duma
		OFFICIAL SEAL TERESA K TUMA NOTARY PUBLIC - OREGON COMMISSION NO. 336747 MY COMMISSION EXPIRES SEPT. 8, 2004 Wy commission expires: 9-8-2004
	(1993)	
		Date Assignment Signed:
Inventor's	Signature (Seal)	
Inventor's	Typed Name: David M. Hurst	Date Application Signed:
State of	Oregon)) ss.:	
County of)	
Before	e me this day of	, personally appeared <u>David M. Hurst</u> who is
personally	known or proved to me on the basis t of assignment to be his/her free act and	of satisfactory evidence to be the person who acknowledged the foregoing
		Notary Public
		My commission expires:
Inventor's	Signature (Seeli)	Date Assignment Signed: Z9 Nov 2000
Inventor's	Typed Name; Mark H. MacKenzie	Date Application Signed: Z9 NGV 2000
	Oregon)	
State of		
County of	Benton) ss.:	
County of Before personally	Benton Iss.: me this 27th day of November, 5	personally appeared Mark H. MacKenzie who is of satisfactory evidence to be the person who acknowledged the foregoing

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

Page 2 of 2

858 655 5859 P.04/05

PATENT APPLICATION

ATTORNEY DOCKET NO. 10007694-1

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

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,

successors and assigns, t		terest, including the ri	y assign and transfer to HP, its ght of priority, in, to and under
INKJET PRINTHEAD AND	METHOD FOR THE SAME		
Filing date: 10/30/00		Serial No.: <u>09/70</u>	2,141
continuations-in-part (C-I- Letters Patent, and any ar	P's), divisionals, and rene nd all Letters Patent of the	wals of and substitut United States and of	any and all continuations, es for said application for said countries foreign thereto which s, or extensions of said Letters
be held and enjoyed by H the term or terms for wh	P, its successors, assigns, ich said Letters Patent re:	nominees or legal rep spectively may be gra	etters Patent in any country, to presentatives, to the full end of inted, reissued or extended, as ne/us had this assignment, and
that I/we have not execu- covenant and agree that deliver all such papers a improvement(s), said appli representatives, and I/we invention(s) or improven proceedings, to sign all is reissue and foreign appli everything possible to aid enforce, for its or their o	ted and will not execute a lower will, each time a request may be necessary or dication and said Letters Paragree to communicate to learning the learning will papers, to execute a lications, to make all right HP, its successors, assignment benefit, proper patent ided the expenses which results.	any agreement in con uest is made, and wit desirable to perfect the ent, to HP, its succes dP, or to its nominee, and said Letters Pa all disclaimers and divinity htful oaths and decins, nominees and legal protection for said in	re interest herein assigned, and flict herewith, and I/we further hout undue delay, execute and he title to said invention(s) or sors, assigns, nominees or legal all known facts respecting said itent, to testify in any legal isionals, continuations, C-I-P's, arations, and generally to do it representatives to obtain and vention(s) or improvement(s) in elus in lending such cooperation
States and any official of patents on applications as and all Letters Patent for	any country or countries faforesaid, to issue to HP, said invention(s) or improve be issued and granted	oreign to the United \$ as assignee of the en rement(s), including a	and Trademarks of the United States whose duty it is to issue tire right, title and interest, any ny and all Letters Patent of the f the application aforesaid, in
application now identified	re and direct HP attorneys by the attorney docket now wn to them by the United S	umber and title set fo	number and filing date of said rth above as soon as the same demark Office.
IN WITNESS WINEPECC Inventor's Signature (Seal) Inventor's Typed Name: Joseph		ur hand(s) and seal(s): Assignment Signed: Date Application Signe	11/27/2000
State of Oregon)) ss.:		
instrument of assignment to be h	me on the basis of satisfactor		Torgerson who is son who acknowledged the foregoing

Rev 10/00 (Assign)

My commission expires: \ 0/5/2003

HP SAN DIEGO LEGAL

858 655 5859 P.05/05 PATENT APPLICATION

ATTORNEY DOCKET NO. __10007694-1

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

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNE≲8 WHEREOF, I we hereunto set my/	our hand(s) and seal(s):	
Du Cox		72 Nov 00
Inventor's Signature (Seei)		
Inventor's Typed Name: Bruce Cowger	Date Application S	igned: フレ Nav BO
State of Oregon)		
County of Berton) ss.:		
Before me this 22 nd day of Nov. 2000,	personally appeared <u>Bruce (</u>	<u>Cawger</u> who is
personally known or proved to me on the basis of sat	tisfactory evidence to be the	person who acknowledged the foregoing
NOTAL NOTAL	OFFICIAL SEAL RESA K TUMA RY PUBLIC - OREGON MISSION NO. 336747 MISSION EXPIRES SEPT. 8. 2804	Urlsa K. Duma Notary Public My commission expires: 9-8-2004
Daniel Marie (Seal)		23 Jan 2001
Inventor's Typed Name: David M. Hurst	Date Application S	igned: 23 Jan 2001
State of Oregon)		
County of Benton ,) ss.:		
Before me this <u>23rday</u> of <u>Quruury, 2001</u> , personally known or proved to me on the basis of set instrument of assignment to be his/her free act and deed.		person who acknowledged the foregoing
TER NOTARY COMMIS MY COMMIS	FFICIAL SEAL ESA K TUMA PUBLIC + OREGON SSION NO. 336747 SIDN EXPRES SEPT. 8, 2004	October K. Juma Notary Public My commission expires: 9-8-2004
nventor's Signature (Sedi)	Date Assignment Signed:	29 NOV 2000
nventor's Typed Name: Mark H. MacKenzle	Date Application Si	igned: <u>79 Nov 2000</u>
itate of Oregon		
County of Benton		
Before the this $\frac{27^{+4}}{\text{day}}$ of Neventley, 200 personally known or proved to me on the basis of satisfacture of assignment to be his/her free act and deed.	personally appeared <u>Mark H</u> isfactory evidence to be the p	person who acknowledged the foregoing
	OFFICIAL SEAL TERESA K TUMA OTARY PUBLIC + OREGON OMMISSION NO. 396747 COMMISSION EXPIRES SEPT. 8. 2014	October 4. Owna Notary Public My commission expires: 9-8-2004

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

Page 2 of 2