

RECORDATION FORM COVER SHEET

PATENTS ONLY

Attorney Docket No. 10007694-1

1. Name of conveying party(ies):
 Joseph M. Torgerson, 11/27/00
 Bruce Cowger, 11/22/00
 David M. Hurst, 01/23/01
 Mark H. MacKenzie, 11/29/00

Additional name(s) of conveying party(ies) attached Yes No

2. Name and address of receiving party(ies):
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

Additional name(s) & address(es) attached? Yes No

3. Nature of Conveyance:
 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, 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 numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:
Records Manager
HEWLETT-PACKARD COMPANY
 Sarah J. O'Brien, MS 66-838
 16399 West Bernardo Drive
 San Diego, CA 92127-1899

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorization to be charged to deposit account.

8. Deposit Account Number: 08-2025

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Sarah J. O'Brien _____ Jan 26, 2001
 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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Mail document to be recorded with required cover sheet information to:
 Commissioner for Patents
 Box Assignment
 Washington, D.C. 20231

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

ATTORNEY DOCKET NO. 10007694-1

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

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 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 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.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):
Joseph M. Torgerson Date Assignment Signed: 11/27/2000
Inventor's Signature (Seal) Date Application Signed: 11/27/2000
Inventor's Typed Name: Joseph M. Torgerson

State of Oregon)
County of _____) ss.:

Before me this 27th day of November 2000, personally appeared Joseph M. Torgerson 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.



Sandi L Koch
Notary Public
My commission expires: 10/5/2003

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

ATTORNEY DOCKET NO. 10007694-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

[Signature] Date Assignment Signed: 22 Nov 00
Inventor's Signature (Seal)

Inventor's Typed Name: Bruce Cowger Date Application Signed: 22 Nov 00

State of Oregon)
County of Benton) ss.:

Before me this 22nd day of Nov. 2000, personally appeared Bruce Cowger 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.



Teresa K. Tuma
Notary Public
My commission expires: 9-8-2004

Inventor's Signature (Seal) Date Assignment Signed: _____

Inventor's Typed Name: David M. Hurst Date Application Signed: _____

State of Oregon)
County of _____) ss.:

Before me this _____ day of _____, personally appeared David M. Hurst 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
My commission expires: _____

[Signature] Date Assignment Signed: 29 Nov 2000
Inventor's Signature (Seal)

Inventor's Typed Name: Mark H. MacKenzie Date Application Signed: 29 Nov 2000

State of Oregon)
County of Benton) ss.:

Before me this 27th day of November, 2000, personally appeared Mark H. MacKenzie 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.



Teresa K. Tuma
Notary Public
My commission expires: 9-8-2004

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PATENT APPLICATION

ATTORNEY DOCKET NO. 10007694-1

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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

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 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 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.

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Inventor's Signature (Seal)
Inventor's Typed Name: Joseph M. Torgerson Date Application Signed: 11/27/2000

State of Oregon)
) ss.:
County of _____)

Before me this 27th day of November 2000, personally appeared Joseph M. Torgerson 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.



Sandi L Koch
Notary Public
My commission expires: 10/5/2003

PATENT
REEL: 011275 FRAME: 0408

HEWLETT-PACKARD COMPANY
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Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 10007694-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Bruce Cowger Date Assignment Signed: 22 Nov 00
Inventor's Signature (Seal)

Inventor's Typed Name: Bruce Cowger Date Application Signed: 22 Nov 00

State of Oregon)
County of Benton) ss.:

Before me this 22nd day of Nov. 2000, personally appeared Bruce Cowger 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.



Teresa K. Tuma
Notary Public
My commission expires: 9-8-2004

David M. Hurst Date Assignment Signed: 23 Jan 2001
Inventor's Signature (Seal)

Inventor's Typed Name: David M. Hurst Date Application Signed: 23 Jan 2001

State of Oregon)
County of Benton) ss.:

Before me this 23rd day of January, 2001, personally appeared David M. Hurst 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.



Teresa K. Tuma
Notary Public
My commission expires: 9-8-2004

Mark H. MacKenzie Date Assignment Signed: 29 Nov 2000
Inventor's Signature (Seal)

Inventor's Typed Name: Mark H. MacKenzie Date Application Signed: 29 Nov 2000

State of Oregon)
County of Benton) ss.:

Before me this 27th day of November, 2000, personally appeared Mark H. MacKenzie 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.



Teresa K. Tuma
Notary Public
My commission expires: 9-8-2004