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Form PTO-1595 (Rev. 03/01)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Blake W. Gleason, Emanuel M. Sachs and James G. Serdy Additional name(s) of conveying party(ies) attached? [] Yes [x] No

2. Name and address of receiving party(ies) Name: Massachusetts Institute of Technology Internal Address: NE25-230 Street Address: 77 Massachusetts Avenue City: Cambridge State: MA Zip: 02139 Additional name(s) & address(es) attached? [] Yes [x] No

3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 04/15/03, 03/13/03 and 05/08/03 respectively

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/411,356 B. Patent No.(s) Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Steven J. Weissburg Internal Address: Street Address: 238 Main Street, Suite 303 City: Cambridge State: MA Zip: 02142

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 [] Enclosed [x] Authorized to be charged to deposit account

8. Deposit account number: 19-2553 (duplicate attached)

DO NOT USE THIS SPACE

9. Signature: Steven J. Weissburg Name of Person Signing Signature Date June 6, 2003

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

FINANCE SECTION JUN 11 AM 0:13

06/12/2003 LABELER: 00000000 00000000 00000000 01 FC:0021 48.00 CH

ASSIGNMENT

I, Blake W. Gleason, of 2708 Ellsworth Street, Berkeley, CA, 94705; Emanuel M. Sachs, of 18 Moreland Avenue, Newton, MA 02459; James G. Serdy, of 222 Marlborough Street, Boston, MA 02116; and jointly and severally referred to below as an "ASSIGNOR", have certain rights in an invention described in a Massachusetts Institute of Technology Disclosure received June 20, 2002 by the Technology Licensing Office, M.I.T. Case No. 9881, entitled "Positive Pressure Drop-on-Demand Printhead." In consideration of One Dollar and other valuable consideration paid to me by THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a corporation of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Mass, 02139, ("ASSIGNEE") the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto said ASSIGNEE its successors and assigns, ASSIGNOR'S entire right, title and interest for the United States of America and all foreign countries including all rights of priority in said INVENTION or improvement(s) in the INVENTION, patent application(s) and patent(s) listed above and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said INVENTION(s), or any parts thereof, or on said applications, or any divisional, continuing, reissue or other applications based thereon. And ASSIGNOR agrees, for ASSIGNOR and ASSIGNOR'S heirs, successors and assigns with said ASSIGNEE and its successors and assigns but at its expense and charges, hereafter to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said ASSIGNEE, with specifications and claims in such form as shall be approved by the counsel of said ASSIGNEE and to vest and confirm in said ASSIGNEE, its successors and assigns, the legal title to all such patents.

And ASSIGNOR does hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors and assigns.

WITNESS my hand and seal:

ASSIGNOR: Emanuel M. Sachs

SIGNATURE

Emanuel M. Sachs  *11.4.13, 2003*

The above named Emanuel M. Sachs, personally appeared and acknowledged the foregoing instrument to be his free and voluntary act and deed before me, on the dates indicated.

Steven J. Weissburg

Notary Public

ASSIGNMENT

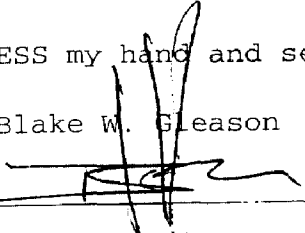
I, Blake W. Gleason, of 2708 Ellsworth Street, Berkeley, CA, 94705; Emanuel M. Sachs, of 18 Moreland Avenue, Newton, MA 02459; James G. Serdy, of 222 Marlborough Street, Boston, MA 02116; and jointly and severally referred to below as an "ASSIGNOR", have certain rights in an invention described in a Massachusetts Institute of Technology Disclosure received June 20, 2002 by the Technology Licensing Office, M.I.T. Case No. 9881, entitled "Positive Pressure Drop-on-Demand Printhead." In consideration of One Dollar and other valuable consideration paid to me by THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a corporation of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Mass, 02139, ("ASSIGNEE") the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto said ASSIGNEE its successors and assigns, ASSIGNOR'S entire right, title and interest for the United States of America and all foreign countries including all rights of priority in said INVENTION or improvement(s) in the INVENTION, patent application(s) and patent(s) listed above and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said INVENTION(s), or any parts thereof, or on said applications, or any divisional, continuing, reissue or other applications based thereon. And ASSIGNOR agrees, for ASSIGNOR and ASSIGNOR'S heirs, successors and assigns with said ASSIGNEE and its successors and assigns but at its expense and charges, hereafter to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said ASSIGNEE, with specifications and claims in such form as shall be approved by the counsel of said ASSIGNEE and to vest and confirm in said ASSIGNEE its successors and assigns, the legal title to all such patents.

And ASSIGNOR does hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors and assigns.

WITNESS my hand and seal:

ASSIGNOR: Blake W. Gleason

SIGNATURE



DATE:

APR 15 2002

The above named Blake W. Gleason personally appeared and acknowledged the foregoing instrument to be his free act and deed, before me, on the dates indicated.

Notary Public

SEE ATTACHED NOTARIZED DOCUMENT.

INDIVIDUAL ACKNOWLEDGMENT

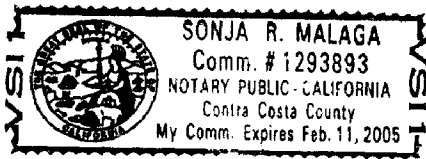
State/Commonwealth of Calif.
County of Contra Costa } ss.

On this the 15th day of April, 2003, before
me, Sonja Malaga, the undersigned Notary
Public, personally appeared Blake W. Gleason,
Name of Notary Public Name(s) of Signer(s)

personally known to me - OR -

proved to me on the basis of satisfactory
evidence

to be the person(s) whose name(s) is/are
subscribed to the within instrument, and
acknowledged to me that he/she/they
executed the same for the purposes therein
stated.



WITNESS my hand and official seal.

[Signature]
Signature of Notary Public
Sonja Malaga
Other Required Information (Printed Name of Notary, Residence, etc.)

Place Notary Seal and/or Any Stamp Above

OPTIONAL

Although the information in this section is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment
Document Date: 4-15-03 Number of Pages: ONE
Signer(s) Other Than Named Above: NONE

Right Thumbprint of Signer
Top of thumb here

ASSIGNMENT

I, Blake W. Gleason, of 2708 Ellsworth Street, Berkeley, CA, 94705;

Emanuel M. Sachs, of 18 Moreland Avenue, Newton, MA 02459;

James G. Serdy, of 222 Marlborough Street, Boston, MA 02116; and

jointly and severally referred to below as an "ASSIGNOR", have certain rights in an invention described in a Massachusetts Institute of Technology Disclosure received June 20, 2002 by the Technology Licensing Office, M.I.T. Case No. 9881, entitled "Positive Pressure Drop-on-Demand Printhead." In consideration of One Dollar and other valuable consideration paid to me by THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY, a corporation of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Mass, 02139, ("ASSIGNEE") the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto said ASSIGNEE its successors and assigns, ASSIGNOR'S entire right, title and interest for the United States of America and all foreign countries including all rights of priority in said INVENTION or improvement(s) in the INVENTION, patent application(s) and patent(s) listed above and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said INVENTION(s), or any parts thereof, or on said applications, or any divisional, continuing, reissue or other applications based thereon. And ASSIGNOR agrees, for ASSIGNOR and ASSIGNOR'S heirs, successors and assigns with said ASSIGNEE and its successors and assigns but at its expense and charges, hereafter to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said ASSIGNEE, with specifications and claims in such form as shall be approved by the counsel of said ASSIGNEE and to vest and confirm in said ASSIGNEE, its successors and assigns, the legal title to all such patents.

And ASSIGNOR does hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors and assigns.

WITNESS my hand and seal: :

ASSIGNOR: James G. Serdy

SIGNATURE James G. Serdy DATE: May 8, 2003

The above named James G. Serdy personally appeared and acknowledged the foregoing instrument to be his free act and deed, before me, on the dates indicated.

Notary Public Steven J. Weissburg

