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Substitute Form PTO-1595
Attorney Docket No.: 09991-012001

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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Paul A. Hoisington, Marlene McDonald, Nathan Hine, Jill Ann Hanson, Melvin L. Biggs and Edward R. Moynihan

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

SPECTRA, INC.
P.O. Box 68C Etna Road
Hanover, New Hampshire 03755
United States of AmericaAdditional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

Execution Date: 11/27/2000; 11/21/2000;
11/21/2000; 12/8/2000; 11/20/2000; 11/22/2000

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No(s):

09/662,902

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

HAROLD H. FOX
Fish & Richardson P.C.
601 Thirteenth Street, NW
Washington, DC 20005

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR §3.41): \$40

- ☒ Enclosed
☐ Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our
Deposit Account No. 06-1050.

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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.*

Harold H. Fox

Reg. No. 41,498

Name of Person Signing

Signature

Date

12-22-00

Total number of pages including coversheet, attachments and document: 8

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ASSIGNMENT

For valuable consideration, we, PAUL A. HOISINGTON of Norwich, Vermont, MARLENE M. MCDONALD of New Hampshire, NATHAN P. HINE of South Strafford, Vermont, JILL ANN HANSON of Charlestown, New Hampshire, MELVIN L. BIGGS of Norwich, Vermont, EDWARD R. MOYNIHAN of Plainfield, New Hampshire, hereby assign to: SPECTRA, INC., a Delaware corporation having a place of business at: P.O. Box 68C Etna Road, Hanover, New Hampshire 03755, United States of America; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PIEZOELECTRIC INK JET PRINTING MODULE, filed September 15, 2000, and assigned U.S. Serial Number 09/662,902, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon NH
this 27th day of November, 2000
Paul A. Hoisington L.S.
PAUL A. HOISINGTON

State of New Hampshire

: ss.

County of Grafton :

Before me this 27th day of November, 2000, personally
appeared PAUL A. HOISINGTON known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.


Notary Public

My Commission Expires:

ROSEMARY C. COPP, Notary Public
My Commission Expires September 15, 2004

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon N.H.
this 21st day of November, 2000
Marlene M. McDonald L.S.
MARLENE M. MCDONALD

State of New Hampshire

: ss.

County of Grafton :

Before me this 21st day of November, 2000, personally
appeared MARLENE M. MCDONALD known to me to be the person whose name is subscribed
to the foregoing Assignment and acknowledged that he executed the same as his free act and
deed for the purposes therein contained.

[Signature]
Notary Public

My Commission Expires:

ROSEMARY C. COPP, Notary Public
My Commission Expires September 15, 2004

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon NH
this 21st day of November, 2000
NATHAN P. HINE L.S.

State of New Hampshire

: ss.

County of Grafton:

Before me this 21st day of November, 2000, personally
appeared NATHAN P. HINE known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public

My Commission Expires:

ROSEMARY C. COPP, Notary Public
My Commission Expires September 15, 2004

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon NH
this 8th day of December, 2000
Jill Ann Hanson L.S.
JILL ANN HANSON

State of New Hampshire

: ss.

County of Grafton :

Before me this 8th day of December, 2000, personally
appeared JILL ANN HANSON known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Signature]
Notary Public

My Commission Expires:

[Notary's Seal Here]

ROSEMARY C. COPP, Notary Public
My Commission Expires September 15, 2004

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon, N.H.
this 20th day of November, 2000
Melvin L. Biggs L.S.
MELVIN L. BIGGS

State of New Hampshire
: ss.

County of Grafton :

Before me this 20th day of November, 2000, personally
appeared MELVIN L. BIGGS known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Rosemary C. Copp
Notary Public
My Commission Expires: ROSEMARY C. COPP, Notary Public
My Commission Expires September 15, 2004

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Lebanon NH,
this 22nd day of November, 2000
[Signature] L.S.
EDWARD R. MOYNIHAN

State of New Hampshire

County of Grafton

Before me this 22nd day of November, 2000, personally
appeared EDWARD R. MOYNIHAN known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

[Signature]
Notary Public
My Commission Expires.

ROSEMARY G. COFF, Notary Public
My Commission Expires September 15, 2004

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