

07-14-2004

RECOR



EET

Docket No.: 2251.2007-006

To the Director of the U.S. Patent and

102790958

ginal documents or copy thereof.

1. Name of conveying party(ies)

1. TZVI AVNERY
2. KENNETH P. FELIS

7.12.04

2. Name and address of receiving party(ies)

Name: ADVANCED ELECTRON BEAMS, INC.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

- Assignment [] Merger
- Security Agreement [] Change of Name
- Other _____

Execution Date: 1. 06/04/04 and 2. 05/03/04

Street Address: 10 UPTON DRIVE

City: WILMINGTON State: MA ZIP: 01887

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

OFFICE OF THE CLERK OF THE SUPREME COURT
FINANCE SECTION
JUL 12 PM 12:17

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)

10/751,676

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: JAMES M. SMITH, ESQ.

Internal Address: _____

Hamilton, Brook, Smith & Reynolds, P.C.

Street Address: 530 Virginia Road, P.O. Box 9133

City: Concord State: MA ZIP: 01742-9133

6. Total number of applications and patents involved: [1]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

- Enclosed
- Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380
- Authorization to charge deposit account number 08-0380

Attach a copy of this page if paying by deposit account and filing via mail.

Do not attach a copy of this page if paying by deposit account and filing via facsimile.

DO NOT USE THIS SPACE

8. 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.

Darrell L. Wong

Name of Person Signing

Signature

7/9/2004

Date

07/14/2004 ECDOPER 0000002 10751676

01 FC:0021

Number of pages including cover sheet, attachments, and document: 7

JointASSIGNMENT

WHEREAS, we, **Tzvi Avnery and Kenneth P. Felis**, have invented a certain improvement in **Electron Beam Emitter** described in an application for Patent,

- the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **10/751,676**, filed **January 5, 2004**;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], which designates the United States of America;
- which was patented under United States Patent No. [].

WHEREAS, **Advanced Electron Beams, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **10 Upton Drive, Wilmington, Massachusetts, 01887**, desires to acquire an interest therein in accordance with agreements duly entered into with us;

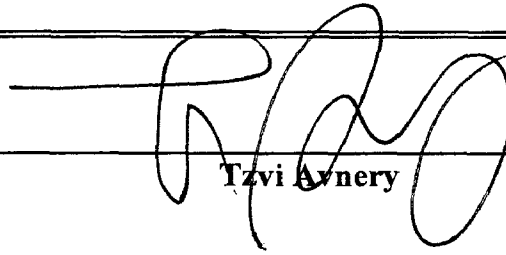
NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its

successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

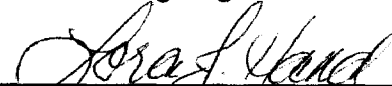
Inventor's Signature: 
Tzvi Avnery

State/Commonwealth of Massachusetts
County of Middlesex

On this 4th day of June, 2004, before me, the undersigned notary public, personally appeared **Tzvi Avnery**,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was _____

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)  Notary Public
NORA J. HAUD (print name)
My Commission expires 10/05/07

Inventor's Signature: _____

Kenneth P. Felis

State/Commonwealth

of _____

County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared **Kenneth P. Felis**,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

_____ to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

_____ Notary Public

_____ (print name)

My Commission expires ____/____/____

JointASSIGNMENT

WHEREAS, we, **Tzvi Avnery and Kenneth P. Felis**, have invented a certain improvement in **Electron Beam Emitter** described in an application for Patent,

- the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **10/751,676**, filed **January 5, 2004**;
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- which was patented under United States Patent No. [].

WHEREAS, **Advanced Electron Beams, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **10 Upton Drive, Wilmington, Massachusetts, 01887**, desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its

successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____

Tzvi Avnery

State/Commonwealth _____

of _____

County of _____

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared **Tzvi Avnery**,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

_____ Notary Public

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

[Handwritten Signature]
Kenneth P. Felis

State/Commonwealth

of Vermont

County of Lamoille

On this 3rd day of May, 2004, before me, the undersigned notary public, personally appeared **Kenneth P. Felis**,

personally known to me, or

proved to me through satisfactory evidence of identification, which was _____

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

[Handwritten Signature] Notary Public

K. Daub-Stearns (print name)

My Commission expires 2/10/2006