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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101597277

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):

Jim Fearnside
Al Kyle

1-17-01

Additional names(s) of conveying party(ies) attached? Yes No

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

Name: Walnut Technologies

Address: One Walnut Street

City: Boston State/Prov.: MA

Country: USA ZIP: 02108

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

3. Nature of conveyance:

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

Execution Date: January 3, 2001 & October 17, 2000

4. Application number(s) or registration numbers(s):

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

Patent Application No. Filing date

09/691,471 10/17/2000

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Walter A. Hackler, Ph.D

Registration No. 27,792

Address: 2372 S.E. Bristol, Suite B

City: Newport Beach State/Prov.: CA

Country: USA ZIP: 92660

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

08-0114

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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.

WALTER A. HACKLER

Name of Person Signing

Signature

Jan 11, 2001

Date

5

Total number of pages including cover sheet, attachments, and document:

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

**Docket No.
2668**

This is an Assignment of the following rights, title and interest: (check all that apply):

- United States of America rights, title and interest in the invention*
- Foreign rights, title and interest in the invention*
- United States Patent Application Serial No.* 09/691,471
 Date of Execution: 01/03/2001 Date of Filing: 10/17/2000
 Date of Execution: 10/17/2000
- United States Provisional Patent Application Serial No.* _____
- United States Patent No(s).* _____
- International (PCT) Patent Application Serial No.* _____
- Other (specify)* _____

Title of the Invention

ULTRASOUND SIGNAL AND TEMPERATURE MONITORING DURING SONO-THROMBOLYSIS THERAPY

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Jim Fearnside	19 Vinebrook Rd, Lexington, MA 02421
Al Kyle	117 Elm Street, Andover, MA 01810

Assignee

<i>Name</i>	<i>Address</i>
Walnut Technologies	One Walnut Street Boston, MA 02108

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
2668

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

<i>Name</i>	<i>Signature/Date</i>
Jim Fearnside	
Al Kyle	

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

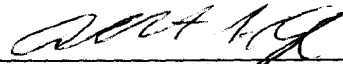
Docket No.
2668

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 3 day of JANUARY, in the year 2007

at



(Signature of Inventor)

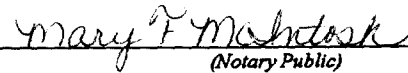
State of Massachusetts

County of Suffolk

Before me personally appeared Al Kyle

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 3rd day of January, in the year

MARY F. McINTOSH
Notary Public
My Commission Expires July 17, 2003



(Notary Public)

Executed this day of , in the year

at

(Signature of Inventor)

State of

County of

Before me personally appeared Jim Fearnside

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this day of , in the year

(Notary Public)

Executed this day of , in the year

at

(Signature of Inventor)

State of

County of

Before me personally appeared

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this day of , in the year

(Notary Public)

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

**Docket No.
2668**

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 17th day of October, in the year 2000

at

State of

MA

County of

Middlesex

James T. Fearnside
(Signature of Inventor)

Before me personally appeared Jim Fearnside

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 17 day of October, in the year 2000

My commission expires Apr. 27, 2001

[Signature]
(Notary Public)

Executed this _____ day of _____, in the year _____

at

State of

County of

(Signature of Inventor)

Before me personally appeared Al Kyle

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this _____ day of _____, in the year _____

(Notary Public)

Executed this _____ day of _____, in the year _____

at

State of

County of

(Signature of Inventor)

Before me personally appeared

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this _____ day of _____, in the year _____

(Notary Public)