

04-24-2003

BOX ASSIGNMENTS

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TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

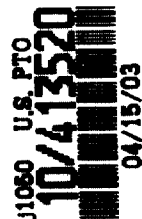
1. Ronald P. LESSER

2. W. Robert S. WEBBER

3.
4.
5.
6.
7.
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

4-15-03



2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: The Johns Hopkins University

ADDRESS: Office of Technology Licensing, 111 Market P, Suite 906, Baltimore, MD 21202

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: 1) April 15, 2003; and
2) April 15, 2003

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (**NOTE:** IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1) April 15, 2003; and 2) April 15, 2003

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
	300591				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500 McLean, VA 22102

10413520

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 300591	DM-4050
MATTER NO.	CLIENT REF.

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT
NUMBER: 03-3975

UNDER ORDER NO	41061	300591
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9.

Andrew McAleavey
Signature

Agent: Andrew J. McAleavey

Reg. No. 50,535

Atty/Sec: AJM:ksh

TEL: (703) 905-2141

Date: April 15, 2003

FAX: (703) 905-2500

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

3

FILE WITH PTO RETURN RECEIPT (PAT-103A)

04/23/2003 TDIAZ1 00000073 033975 10413520

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PATENT PAT-114X 3/01
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Apr 15 2003 12:51

From-PILLSBURY WINTHRP

Please return signed/recorded to:
Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500
McLean, VA 22102

Atty. Dkt.	PMS 300691	DM-4050
	M#	Client Ref.

ASSIGNMENT
of U.S. Origin Patent Application

WHEREAS, the undersigned, to wit:

- | | |
|----------------------------|-------------------------------|
| 1) <u>Ronald P. LESSER</u> | 2) <u>W. Robert S. WEBBER</u> |
| 3) _____ | 4) _____ |
| 5) _____ | 6) _____ |
| 7) _____ | 8) _____ |

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 300691
and entitled: SIGNAL ANALYSIS, HEAT FLOW MANAGEMENT, AND STIMULATION TECHNIQUES TO TREAT MEDICAL DISORDERS

for which an application for Letters Patent of the United States

- was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;
 was filed on _____, Appln. No. _____

AND WHEREAS The Johns Hopkins University

(hereinafter ASSIGNEE), duly organized and existing under the laws of the State of Maryland

Office of Technology Licensing, 111 Market P, Suite

and having its principal office and place of business at 906, Baltimore, MD 21202

desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

Signature

Date Signed

Witness

1) Ronald P Lesser
Name: Ronald P. LESSER

4-15-03

Wanda Di Bartolomeo

2) W. Robert S. Webber
Name: W. Robert S. WEBBER

15 APR 03

Wanda Di Bartolomeo

3) _____
Name: _____

4) _____
Name: _____

5) _____
Name: _____

6) _____
Name: _____

7) _____
Name: _____

8) _____
Name: _____
