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03-19-1999

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Tab settings

To the Honorable Commissioner of Patent:

100988094

and original documents or copy thereof.

1. Name of conveying party(ies):

Eric R. Cosman
Michael A. Arnold

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

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

Name: Radionics, Inc.

Internal Address: _____

Street Address: 22 Terry Avenue

City: Burlington State: MA ZIP: 01803

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

3. Nature of conveyance:

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

Execution Date: 3/4/99 and 2/28/99

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)

B. Patent No.(s)

4,206,761

4,206,762

4,281,666

Additional numbers attached? Yes No

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

Name: Jason A. Reyes, Esq.

Internal Address: Hale and Dorr LLP

Street Address: 60 State Street

City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved: **30**

7. Total fee (37 CFR 3.41).....\$ 1,200.00

Enclosed

Authorized to be charged to deposit account
Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number:
08-0219

(Attach duplicate copy of this page if paying by deposit account)

03/18/1999 DNGUYEN 0000214 080219 4206761

01 FC:581 1200.00 CH

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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.

Jason A. Reyes
Reg. No. 41,513
Name of Person Signing

Jason A. Reyes
Signature

3-12-99
Date

Total number of pages including cover sheet, attachments, and document: **10**

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

PATENT
REEL: 9817 FRAME: 0246

4. ADDITIONAL PATENT NUMBERS:

4,281,667
4,378,809
4,385,636
4,411,266
4,565,200
4,593,703
4,618,978
4,660,568
4,676,255
4,787,886
4,353,371
4,907,589
5,233,515
5,160,337
5,662,111
5,748,703
4,966,597
5,778,043
5,792,146
4,653,508
4,583,538
4,838,265
4,646,752
5,304,114
5,433,739
5,571,147
5,848,967

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Eric R. Cosman, an individual residing at 872 Concord Avenue, Belmont, MA 02178, hereby assign to Radionics, Inc., a corporation existing under the laws of the Commonwealth of Massachusetts and having an operating address of 22 Terry Avenue, Burlington, Massachusetts 01803, its successors and assigns, my entire right, title and interest in the inventions or improvements disclosed in the United States patents set forth on Schedules A and B and in said patents and any and all applications, both United States and foreign, which I may file, either solely or jointly with others, on said inventions or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

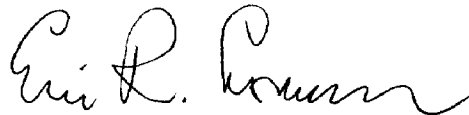
I am the owner of the entire right, title and interest in the United States patents set forth on Schedule A and I have the right to assign those patents, and there are no outstanding prior assignments, licenses, or other encumbrances on the interests in those patents herein assigned.

I own a partial interest in the United States patents set forth on Schedule B and I have the right to assign my interest in those patents, and there are no outstanding prior assignments, licenses, or other encumbrances on the interests in those patents herein assigned.

For said consideration I hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said inventions or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said inventions or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said consideration I authorize said assignee to apply for patents for said inventions or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of my ability with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and

enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made.

WITNESS my hand and seal this 4 day of March, 1999.



Eric R. Cosman

WITNESSED BY:

Sharon G. Carlisle
Name SHARON G. CARLISLE

161 PARLMONT PARK
N. BILLERICA, MA 01862
Address

Schedule A

U.S. Patent No.	Title	Filing Date	Issue Date
4,206,761	Pressure-Balanced Telemetric Pressure Sensing Method	April 13, 1978	June 10, 1980
4,206,762	Telemetric Differential Pressure Sensing Method	April 13, 1978	June 10, 1980
4,281,666	Single Diaphragm Pressure-Balanced Telemetric Pressure Sensing System	April 13, 1978	August 4, 1981
4,281,667	Single Diaphragm Telemetric Differential Pressure Sensing System	April 13, 1978	August 4, 1981
4,378,809	Audio-Telemetric Pressure Sensing Systems and Methods	June 19, 1980	April 5, 1983
4,385,636	Telemetric Differential Pressure Sensor With The Improvement Of A Conductive Shorted Loop Tuning Element And A Resonant Circuit	February 5, 1981	May 31, 1983
4,411,266	Thermocouple Radio Frequency Lesion Electrode	September 24, 1980	October 25, 1983
4,565,200	Universal Lesion and Recording Electrode System	May 4, 1982	January 21, 1986

4,593,703	Telemetric Differential Pressure Sensor With The Improvement Of A Conductive Shorted Loop Tuning Element And A Resonant Circuit	May 17, 1984	June 10, 1986
4,618,978	Means For Localizing Target Coordinates In A Body Relative To A Guidance System Reference Frame In Any Arbitrary Plane As Viewed By A Tomographic Image Through The Body	October 21, 1983	October 21, 1986
4,660,568	Telemetric Differential Pressure Sensing System And Method Therefore	January 23, 1981	April 28, 1987
4,676,255	Telemetric In-Vivo Calibration Method And Apparatus Using A Negative Pressure Applicator	July 3, 1985	June 30, 1987
4,787,886	Pressure Sensor Controlled Valve	March 14, 1988	November 29, 1988
4,353,371	Longitudinally Side-Biting, Bipolar Coagulating, Surgical Instrument	September 24, 1980	October 12, 1982
4,907,589	Automatic Over-Temperature Control Apparatus For A Therapeutic Heating Device	April 29, 1988	March 13, 1990
5,233,515	Real-Time Graphic Display Of Heat Lesioning Parameters In A Clinical Lesion Generator System	June 8, 1990	August 3, 1993

5,160,337	Curved-Shaped Floor Stand For Use With A Linear Accelerator In Radiosurgery	September 24, 1990	November 3, 1992
5,662,111	Process Of Stereotactic Optical Navigation	May 16, 1995	September 2, 1997
5,748,703	Dynamic Collimator For A Linear Accelerator	July 23, 1996	May 5, 1998
4,966,597	Thermometric Cardiac Tissue Ablation Electrode With Ultra-Sensitive Temperature Detection	November 4, 1988	October 30, 1990
5,778,043	Radiation Beam Control System	September 20, 1996	July 7, 1998
5,792,146	Rectilinear LINAC Phantom Pointer System	March 28, 1996	August 11, 1998
4,653,508	Pressure-Balanced Telemetric Pressure Sensing System And Method Therefore	January 23, 1981	March 31, 1987

Schedule B

U.S. Patent No.	Title	Filing Date	Issue Date
4,583,538	Method and Apparatus For Stereotaxic Placement Of Probes In The Body Utilizing CT Scanner Localization	May 4, 1984	April 22, 1986
4,838,265	Localization Device For Probe Placement Under CT Scanner Imaging	January 21, 1988	June 13, 1989

4,646,752	Adjustable Intracranial Pressure Measuring Screw	April 25, 1983	March 3, 1987
5,304,114	Shunt Valve System	May 15, 1991	April 19, 1994
5,433,739	Method And Apparatus For Heating An Intervertebral Disc For Relief Of Back Pain	November 2, 1993	July 18, 1995
5,571,147	Thermal Denervation Of An Intervertebral Disc For Relief Of Back Pain	September 9, 1994	November 5, 1996
5,848,967	Optically Coupled Frameless Stereotactic System and Method		December 15, 1998

ASSIGNMENT


For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Michael A. Arnold, an individual residing at 5 Old Farm Road, Woburn, MA 01801, hereby assign to Radionics, Inc., a corporation existing under the laws of the Commonwealth of Massachusetts and having an operating address of 22 Terry Avenue, Burlington, Massachusetts 01803, its successors and assigns, my entire right, title and interest in the inventions or improvements disclosed in the United States patents set forth on Schedule A and in said patent and any and all applications, both United States and foreign, which I may file, either solely or jointly with others, on said inventions or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

I own a partial interest in the United States patent set forth on Schedule A and I have the right to assign my interest in said patent, and there are no outstanding prior assignments, licenses, or other encumbrances on the interests in said patent herein assigned.

For said consideration I hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said inventions or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said inventions or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said consideration I authorize said assignee to apply for patents for said inventions or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of my ability with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made.

WITNESS my hand and seal this 28 day of February, 1999.



Michael A. Arnold

WITNESSED BY:


Name SHARON G. CARUSIE

161 PARLMONT PARK

N. BILLERICA, MA 01862
Address

Schedule A

U.S. Patent No.	Title	Filing Date	Issue Date
5,304,114	Shunt Valve System	May 15, 1991	April 19, 1994