

01-31-2003



FILE NO. AP35303 069225.0120

102352830

ET 1-29-03

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
THOMAS BORTFELD and ANDRZEJ NIEMIERKO
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies)
Name: **GENERAL HOSPITAL CORPORATION**

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date: January 15, 2003

Address: 55 Fruit Street
City: Boston State: MA Zip: 02114
Additional name(s) and address(es) attached? Country: U.S.A.
 Yes No

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)
10/195,910

B. Patent No.(s)

OFFICE OF PATENT RECORDS
2003 JUN 29 PM 3:38
FINANCE SECTION

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name:
BAKER BOTTS L.L.P.
30 Rockefeller Plaza - 44 Fl.
New York, NY 10112

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41): \$ 40
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
02-4377 (Charge any additional fees to this account)
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature

To the best of my knowledge and belief, the foregoing instrumentation is true and correct and any attached copy is a true copy of the original document.

Gary Abelev, PTO Reg. No. 40,479

01/23/2003

Name of Person Signing

Signature

Date

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Total number of pages including cover sheet, attachments and document: 6

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PATENT
REEL: 013701 FRAME: 0417

ASSIGNMENT

WHEREAS, WE,

BORTFELD, THOMAS
114 Pleasant Street, #1
Cambridge, MA 02139

Citizenship: German

THIEKE, CHRISTIAN
22 David G Mugar Way
Boston, MA 02114

Citizenship: German

NIEMIERKO, ANDRZEJ
5 Farmcrest Lane
Wayland, MA 01778

Citizenship: United States

have made an invention entitled "ARRANGEMENTS AND METHODS FOR TREATING A SUBJECT," as set forth and described in provisional patent application Serial No. 10/195,910, filed on July 15, 2002; and

WHEREAS, THE GENERAL HOSPITAL CORPORATION, a Corporation of Massachusetts, having an office for the transaction of business at 55 Fruit Street, Boston, Massachusetts 02114, is desirous of acquiring our entire right, title and interest in and to said invention and any improvements thereon, and in and to the said application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said THOMAS BORTFELD, CHRISTIAN THIEKE and ANDRZEJ NIEMIERKO, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to us in hand paid by said THE GENERAL HOSPITAL CORPORATION, and other valuable considerations unto us moving from said THE GENERAL HOSPITAL CORPORATION, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said THE GENERAL HOSPITAL CORPORATION, its successors and assigns, the entire right, title and interest in and to the said invention entitled "ARRANGEMENTS AND METHODS FOR TREATING A SUBJECT," as set forth and described in patent application which is being filed with the U.S. Patent and Trademark Office herewith, and any and all improvements thereon, and in and to said application and any application claiming priority therefrom, and any non-provisional

application, division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said THOMAS BORTFELD, CHRISTIAN THIEKE and ANDRZEJ NIEMIERKO, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said THE GENERAL HOSPITAL CORPORATION, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said THE GENERAL HOSPITAL CORPORATION, its successors and assigns;

AND WE, the said THOMAS BORTFELD, CHRISTIAN THIEKE and ANDRZEJ NIEMIERKO, for the considerations aforesaid, do hereby covenant and agree to and with said GENERAL HOSPITAL CORPORATION, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said THE GENERAL HOSPITAL CORPORATION, its successors and assigns, may be required or necessary more effectively to secure to and vest in said THE GENERAL HOSPITAL CORPORATION, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, I, the said THOMAS BORTFELD, have hereunto set my hand and seal on the date below written.



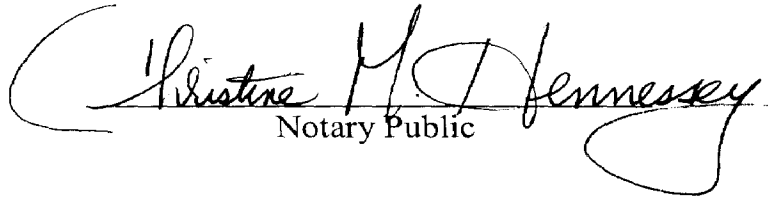
THOMAS BORTFELD

STATE OF *Massachusetts*)

: ss.:

COUNTY OF *Suffolk*)

BE IT KNOWN, that on this 15th day of January, 2002³, before me personally came THOMAS BORTFELD, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.



Notary Public

IN WITNESS WHEREOF, I, the said CHRISTIAN THIEKE, have hereunto set my hand and seal on the date below written.

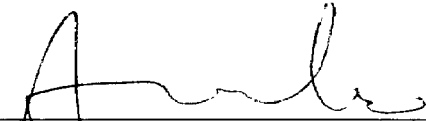
CHRISTIAN THIEKE

STATE OF)
 : ss.:
COUNTY OF)

BE IT KNOWN, that on this ____ day of _____, 2002, before me personally came CHRISTIAN THIEKE, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Notary Public

IN WITNESS WHEREOF, I, the said ANDRZEJ NIEMIERKO, have hereunto set my hand and seal on the date below written.



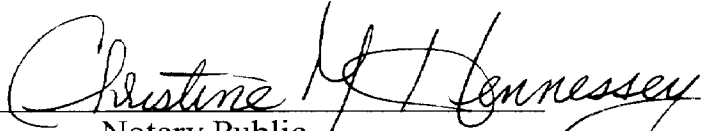
ANDRZEJ NIEMIERKO

STATE OF *Massachusetts*

: ss.:

COUNTY OF *Suffolk*)

BE IT KNOWN, that on this *15th* day of *January*, 200*3*, before me personally came ANDRZEJ NIEMIERKO, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.



Notary Public