

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Igal Madar (2/28/05), Hayden T. Ravert (3/3/05),
Robert F. Dannals (2/23/05), Ursula A. Scheffel
(3/1/05), and J. James Frost (3/9/05).
Execution Date(s): in parentheses after inventor name
Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____


2. Name and address of receiving party(ies)
 Name: Johns Hopkins University
 Internal Address: _____
 Street Address: _____
 3400 N. Charles Street
 City: Baltimore
 State: Maryland
 Country: USA Zip: 21218
 Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
10/503,690
 B. Patent No.(s)
 Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Peter F. Corless
EDWARDS & ANGELL, LLP
 Internal Address: Atty. Dkt.: 58516 US (71699)
 Street Address: P.O. Box 55874
 City: Boston
 State: MA Zip: 02205
 Phone Number: (617) 439-4444
 Fax Number: (617) 439-4170
 Email Address: pcorless@edwardsangell.com

6. Total number of applications and patents involved:
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

B. Payment Information
 a. Credit Card Last 4 Numbers _____
 Expiration Date _____
 b. Deposit Account Number 04-1105
 Authorized User Name Stephana E. Patton

9. Signature:  Stephana E. Patton, Ph.D. - 50,373
 Signature Date
April 7, 2005
 Total number of pages including cover sheet, attachments, and documents:

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 306-5995, on the date shown below.
 Dated: April 7, 2005 Signature: Karen Brown (Karen Brown)

CH \$40.00 041105 10503690

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 28 day of Feb., 2005
by Igal Madar; Hayden T. Ravert; Robert F. Dannels; Ursula A. Scheffel; and J. James Frost (hereinafter referred to as Assignors), residing at 6209 Pimlico Road, Baltimore, MD 21209; 71745 Fountain Green, Bel Air, MD 21015; 9 Elizabeth Court, Sparks, MD 21152; 2202 Deerfern Cres, Baltimore, MD 21209; and 2000 Indian Head Road, Baltimore, MD 21204; respectively;

WHEREAS, Assignors have invented certain new and useful improvements in NON-INVASIVE DIAGNOSTIC IMAGING TECHNOLOGY FOR MITOCHONDRIA DYSFUNCTION USING RADIOLABELED LIPOPHILIC SALTS, set forth in a Patent application for Letters Patent of the United States, already filed on August 4, 2004 as U.S. application No. 10/503,690; and

WHEREAS, Johns Hopkins University, a University organized under and pursuant to the laws of Maryland having its principal place of business at 3400 N. Charles Street, Baltimore, Maryland 21218 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit

PATENT**REEL: 016032 FRAME: 0124**

and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Edwards & Angell

All practitioners at Customer Number 49383

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Igal Madar

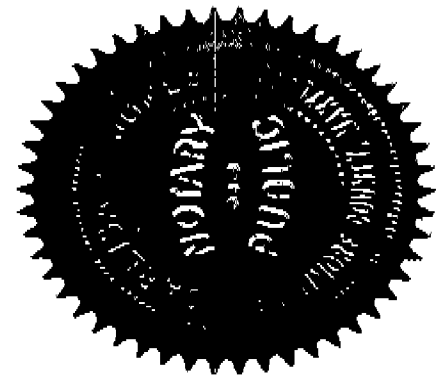
Igal Madar

Date: 2/28/05

United States of America)
State of Maryland) ss.:
County of Baltimore)
City

On this 28 day of February, 2005, before me personally came Igal Madar, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Carlisa A Jones exp 11/21/08
Notary Public



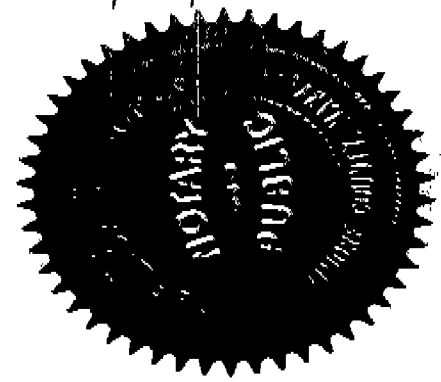
Hayden T. Ravert
Hayden T. Ravert

Date: March 3, 2005

United States of America)
State of Maryland) ss.:
County of Baltimore)
City

On this 3 day of MARCH, 2005, before me personally came Hayden T. Ravert, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Carlwood Jones exp. 11/01/08
Notary Public



[Handwritten signature]

[Handwritten signature]

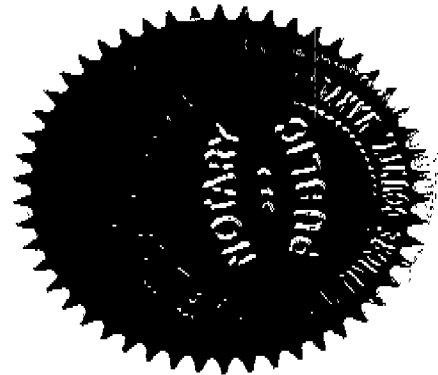
Robert F. Dannals

Date: February 23, 2005

United States of America)
State of Maryland) ss.:
County of Baltimore)
City

On this 23 day of February, 2005, before me personally came Robert F. Dannals, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Carlisa A Jones exp. 11/01/08
Notary Public



Ursula A. Scheffel
Ursula A. Scheffel

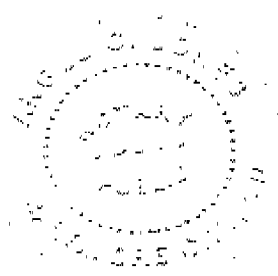
Date: March 1st, 2005

United States of America)
State of MD) ss.:
County of Balto. City)

On this 1st day of March, 2005, before me personally came Ursula A. Scheffel, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

ANGEL C. JONES
Notary Public, State of Maryland
Baltimore City
My Commission Expires: Jan. 29, 2008

Angel C. Jones



J. James Frost
J. James Frost

Date: Mar. 9, 2005

United States of America)
State of Connecticut) ss.: New Haven
County of New Haven)

On this 9th day of March, 2005, before me personally came J. James Frost, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Carol A. Lam
Notary Public

CAROL A. LAM
NOTARY PUBLIC
MY COMMISSION EXPIRES DEC. 31, 2009