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PATENTS

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To The Honorable Commissioner of Patents and Trademarks: Docket No.: P07410US01/BAS
Please record the attached original documents(s) or copy(ies) thereof.

1. Name of conveying party(ies)
1. Lawrence L. BROTT
2. Rajesh R. NAIK
3. Morley O. STONE
4. Daniel C. CARTER

2. Name and address of receiving party(ies):
Name: UNITED STATES AIR FORCE
Street Address: 3005 Hobson Way
City + Address: Wright-Patterson AFB, Ohio 45433
Name: NEW CENTURY PHARMACEUTICALS, INC.
Street Address: 895 Martin Road
City + Address: Huntsville, Alabama 35824

3. Nature of conveyance:
 Assignment Merger Security Agreement
 Change of Name Other:
Execution Date: 12 / 22 /2003

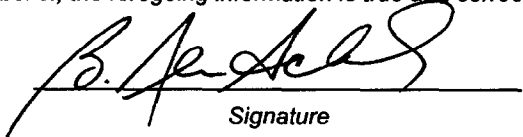
4. Application number(s) or patent number(s)
..... This document is filed together with a new application, whose execution date is:
A. Patent Application No.(s) B. Patent No.(s)
10/313,010

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: B. Aaron Schulman Tel.: 703-739-4900
LARSON & TAYLOR, PLC • 1199 North Fairfax St. • Suite 900 • Alexandria, VA 22314-1437

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

7. Total fee (37 CFR 3.41)
 Enclosed \$40
(8. Any insufficiency in fee is authorized to be charged to Deposit Account No. 12-0555.)

DO NOT USE THIS SPACE

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.
B. Aaron Schulman  5 January 2004
Name of person signing Signature Date

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

01/07/2004 DEYRNE 00000054 10313010
01 FC:8021 40.00 DP

ASSIGNMENT OF PATENT APPLICATION

(US and foreign rights - all rights assigned by inventors to a single assignee)

WHEREAS,

Lawrence L. BROTT
Rajesh R. NAIK
Morley O. STONE

Residing at
8975 Steeplechase Way, West Chester, OH 45069
1241 Beech Trail Drive, Dayton, OH 45433
3758 E. Sudbury Court, Bellbrook, OH 45305

(hereinafter referred to as the "ASSIGNOR") has/have invented certain new and useful improvements in METHOD AND APPARATUS FOR USE OF THERMALLY SWITCHING PROTEIN IN SENSING AND DETECTING DEVICES

for which an application for a United States Patent

- was executed on even date herewith
- was executed on
- was filed on December 6, 2003, as Serial No. 10/313,010:

And WHEREAS, **UNITED STATES AIR FORCE**

whose Post Office Address is 3005 Hobson Way, Wright-Patterson AFB, OH 45433

(hereinafter referred to as the "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America or other countries, and any Letters Patent which may issue therefor in the United States or other countries including all divisions, continuations, reissues, renewals and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S. dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America or other countries, and any Letters Patent which may issue therefor in the United States or other countries and all divisions, continuations, reissues, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, renewals and/or extensions thereof, respectively, as fully and entirely as the

same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said application(s), and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents of the US is requested to issue such Letters Patent in accordance with this assignment.

I hereby authorize and request any attorney of record in said Application or any attorney of Larson & Taylor, PLC, Customer No. 00881, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

NAME

SIGNATURE

DATE

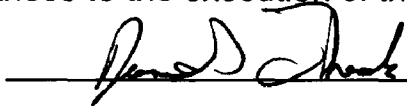
Lawrence L. BROTT



22 DEC 03

Signature of witness to the execution of the above assignment:

SIGNATURE



DATE

22 DEC 03

WITNESS: (TYPE OR WRITE NAME):

JAMES G. THEODORE

NAME

SIGNATURE

DATE

Rajesh R. NAIK

Rajesh R. Naik

12/22/03

Signature of witness to the execution of the above assignment:

SIGNATURE *James G. Theodore* DATE 22 DEC 03

WITNESS: (TYPE OR WRITE NAME): JAMES G. THEODORE

NAME

SIGNATURE

DATE

Morley O. STONE

Morley O. Stone

22 Dec 03

Signature of witness to the execution of the above assignment:

SIGNATURE *James G. Theodore* DATE 22 DEC 03

WITNESS: (TYPE OR WRITE NAME): JAMES G. THEODORE

ASSIGNMENT OF PATENT APPLICATION

(US and foreign rights - all rights assigned by inventors to a single assignee)

WHEREAS,

Daniel C. CARTER

Residing at 3131 Heatherhill Circle, Huntsville, Alabama 35802

(hereinafter referred to as the "ASSIGNOR") has/have invented certain new and useful improvements in METHOD AND APPARATUS FOR USE OF THERMALLY SWITCHING PROTEIN IN SENSING AND DETECTING DEVICES

for which an application for a United States Patent

- was executed on even date herewith
- was executed on
- was filed on December 6, 2002, as Serial No.10/313,010

And WHEREAS, **NEW CENTURY PHARMACEUTICALS, INC.**

whose Post Office Address is 895 Martin Road, Huntsville, AL 35824

(hereinafter referred to as the "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America or other countries, and any Letters Patent which may issue therefor in the United States or other countries including all divisions, continuations, reissues, renewals and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S. dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America or other countries, and any Letters Patent which may issue therefor in the United States or other countries and all divisions, continuations, reissues, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said application(s),

and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

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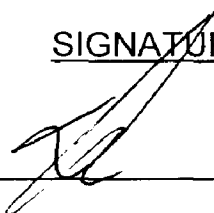
I hereby authorize and request any attorney of record in said Application or any attorney of Larson & Taylor, PLC, Customer No. 00881, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

NAME

SIGNATURE

DATE

Daniel C. CARTER



12/22/03

Signature of witness to the execution of the above assignment:

SIGNATURE



DATE

12-22-03

WITNESS: (TYPE OR WRITE NAME):

Jean Reynolds
