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Form PTO-1592 (modified)

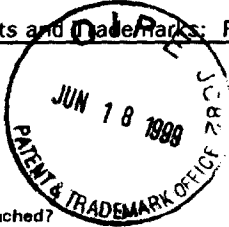
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof:

1. Name of Conveying Party or Parties:

Pamela B. Davis
Thomas W. Ferkol, Jr.
Elizabeth Eckman

Additional Names of conveying party or parties attached?

Yes No



2. Name and address of receiving party or parties:

Case Western Reserve University
10900 Euclid Avenue
Cleveland, Ohio 44106-4959

Additional Name(s) and address(es) attached? Yes No

3. Nature of Conveyance:

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

Execution Date: May 28 and June 7, 1999

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 Number(s):

09/264,032

B. Patent Number(s):

Additional Name(s) and address(es) attached? Yes No

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

Banner & Witcoff, Ltd.
1001 G Street, N.W., Suite 1100
Washington, D.C. 20001-4597

6. Total Number of Applications and patents involved:

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed

- Authorized to be charged to deposit account
- Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment

8. Deposit Account No.:

19-0733 (in the event additional fees are required)

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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.

Lisa M. Hemmendinger, Reg. No. 42,653
Name of Person Signing

Lisa M. Hemmendinger
Signature

June 18, 1999
Date

Total Number of Pages comprising Cover Sheet: 4

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PATENT
REEL: 010032 FRAME: 0197

ASSIGNMENT

WHEREAS, WE, Pamela B. Davis, citizen of the USA, residing at 2737 Edgehill Rd., Cleveland Heights, OH 44106, Thomas W. Ferkol, Jr., citizen of the USA, residing at 9970 Weathersfield Drive, Concord, OH 44060, and Elizabeth Eckman, citizen of the USA, residing at 28 South Roscoe, Ponte Vedra Beach, FL 32082, have invented certain new and useful improvements in "BIFUNCTIONAL MOLECULES FOR DELIVERY OF THERAPEUTICS" for which an application for Letters Patent of the United States was filed on March 8, 1999, and accorded U.S. Serial No. 09/264,032; and

WHEREAS, Case Western Reserve University, a corporation duly organized under the laws of the State of Ohio having a place of business in Cleveland, Ohio, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and in and to any Letters Patent of the United States or any foreign country which May be granted therefor;

NOW THEREFORE, for good and valuable consideration, we, the said Pamela B. Davis, Thomas W. Ferkol, Jr., and Elizabeth Eckman do sell, assign, and transfer unto Case Western Reserve University, its successors, legal representatives and assigns, the full and exclusive right to the said invention as described in the said application, and the entire right, title and interest in and to any and all Letters Patent which May be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said assignee;

AND WE HEREBY warrant and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said assignee.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

Date: 5/28/99

Inventor: *Pamela B. Davis*
Pamela B. Davis

Date: 5-28-99

Inventor: *Thomas W. Ferkol, Jr.*
Thomas W. Ferkol, Jr.

Date: 6-7-99

Inventor: *Elizabeth Eckman*
Elizabeth Eckman

STATE OF OHIO)
) ss
COUNTY OF CLEVELAND)

On this _____ day of _____, 1999, before me a Notary Public in and for the County and State aforesaid, personally appeared Pamela B. Davis and Thomas Ferkol, to me known to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)

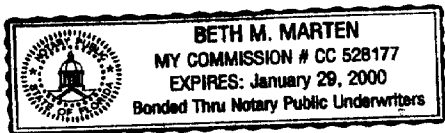
Notary Public

My Commission Expires: _____

STATE OF FLORIDA)
) ss
COUNTY OF Duval)

On this 7th day of June, 1999, before me a Notary Public in and for the County and State aforesaid, personally appeared Elizabeth Eckman, to me known to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)



Beth Marten
Notary Public

Date: May 28, 1999

Inventor: _____
Elizabeth Eckman

STATE OF OHIO)
 Cuyahoga) ss
COUNTY OF ~~CLEVELAND~~)

On this 28th day of May, 1999, before me a Notary Public in and for the County and State aforesaid, personally appeared Pamela B. Davis and Thomas Ferkol, to me known to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)

Judith E. Quin
Notary Public

My Commission Expires: JUDITH QUIN, Notary Public
State of Ohio, Cuyahoga County
My Commission Expires July 31, 2000

STATE OF FLORIDA)
) ss
COUNTY OF)

On this _____ day of _____, 1999, before me a Notary Public in and for the County and State aforesaid, personally appeared Elizabeth Eckman, to me known to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)

Notary Public