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FORM-PTO-1595
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TRANSMITTAL OF DOCUMENT FOR RECORDATION
PATENTS ONLY

Atty. Docket 18085.105233

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

<p>1. Name of conveying party(ies): Dennis C. Liotta, Alfred H. Merrill, Jr., Thomas E. Keane, Eva M. Schmelz Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. Name and address of receiving party(ies): Name: <u>Emory University</u> Foreign Address: Domestic Address: <u>1380 S. Oxford Road</u> City: <u>Atlanta</u> State: <u>GA</u> ZIP: <u>30322</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name Other _____ Execution Date: <u>3/17/99, 1/21/99, 12/22/98, 2/9/99</u></p>			
<p>4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>09/249,211</u> B Patent Registration No. (s) _____ Additional numbers attached ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Sherry M. Knowles, Esq.</u> <u>191 Peachtree Street</u> <u>Atlanta, Georgia 30303-1763</u> Telephone No.: <u>404- 572- 4600</u> Facsimile No.: <u>404 572-5100</u></p>		<p>6. Number of applications and patents involved: <u>one</u> 7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number (Please charge any deficiencies or credit any overpayments) <u>11-0980</u> (Attach duplicate copy of this page if paying by deposit account):</p>	
<p>DO NOT USE THIS SPACE</p>			
<p>9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy of the original document.</i> <u>Jacqueline Haley</u> <u>Jacqueline Haley</u> <u>May 21, 1999</u> Name of Person Signing Signature Date Total number of pages comprising cover sheet: 9</p>			

05/25/1999 ZABDALLA 00000057 09249211

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PATENT
REEL: 009975 FRAME: 0905

ASSIGNMENT

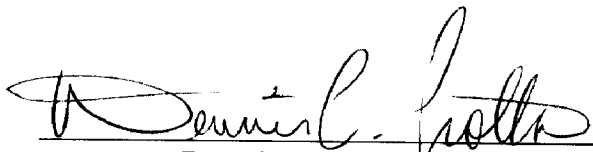
WHEREAS, WE, DENNIS C. LIOTTA, ALFRED H. MERRILL, JR., THOMAS E. KEANE, EVA M. SCHMELZ AND KAPIL N. BHALLA have invented certain improvements in SPHINGOLIPID DERIVATIVES AND THEIR METHODS OF USE for which we have executed United States patent application 09/249,211 on February 12, 1999; and

WHEREAS, EMORY UNIVERSITY, a Georgia corporation having an office at 1380 S. Oxford Road, Atlanta, Georgia 30322, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by EMORY UNIVERSITY, the receipt and sufficiency of which are hereby acknowledged, I, DENNIS C. LIOTTA, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto EMORY UNIVERSITY, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any reissue, renewal, division, continuation or continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

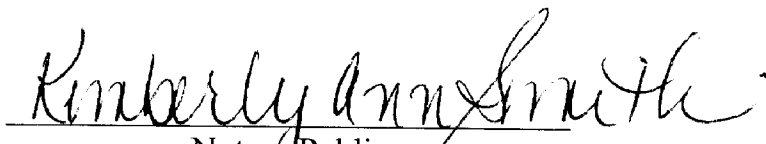
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 17 day of

March, 1999.


Dennis C. Liotta

STATE OF GEORGIA)
) ss.
COUNTY OF)

On this 17th day of March, 1999, before me, a notary public, came _____, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.


Notary Public

(SEAL)

My commission expires: _____
Notary Public, Walton County, Georgia
My Commission Expires Jan. 22, 2003

ASSIGNMENT

WHEREAS, WE, DENNIS C. LIOTTA, ALFRED H. MERRILL, JR., THOMAS E. KEANE, AND KAPIL N. BHALLA have invented certain improvements in SPHINGOLIPID DERIVATIVES AND THEIR METHODS OF USE for which we have executed United States provisional application 60/074,536 on February 12, 1998; and

WHEREAS, EMORY UNIVERSITY., a Georgia corporation having an office at 1380 S. Oxford Road, Atlanta, Georgia 30322, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by EMORY UNIVERSITY, the receipt and sufficiency of which are hereby acknowledged, I, ALFRED H. MERRILL, JR., have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto EMORY UNIVERSITY, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any reissue, renewal, division, continuation or continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 21st day of

January, 1999

Alfred H. Merrill, Jr.
Alfred H. Merrill, Jr.,

STATE OF GEORGIA)
)
COUNTY OF Gwinnett) SS.

On this 21 day of January, 1999, before me, a notary public, came Alfred H. Merrill, Jr., to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

Lisa C. Jackson
Notary Public

(SEAL)

My commission expires: My Commission Expires July 14, 2001
Notary Public, Gwinnett County, Georgia

ASSIGNMENT

WHEREAS, WE, DENNIS C. LIOTTA, ALFRED H. MERRILL, JR., THOMAS E. KEANE, AND KAPIL N. BHALLA have invented certain improvements in SPHINGOLIPID DERIVATIVES AND THEIR METHODS OF USE for which we have executed United States provisional application 60/074,536 on February 12, 1998; and

WHEREAS, EMORY UNIVERSITY., a Georgia corporation having an office at 1380 S. Oxford Road, Atlanta, Georgia 30322, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good and valuable consideration paid by EMORY UNIVERSITY, the receipt and sufficiency of which are hereby acknowledged, I, THOMAS E. KEANE, have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto EMORY UNIVERSITY, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to said provisional application and said application for United States Letters Patent, in and to the invention therein set forth and in and to any patent which may issue on said application for United States Letters Patent or any reissue, renewal, division, continuation or continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22^{514K} day of

December, 1998.



Thomas E. Keane

STATE OF GEORGIA)

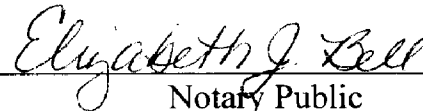
)

ss.

COUNTY OF)

)

On this 22nd day of December, 1998 before me, a notary public, came Thomas Keane, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.



Notary Public

(SEAL)

My commission expires: _____

Notary Public, DeKalb County, Georgia
My Commission Expires June 17, 2001

18085.105192

PATENT

REEL: 009975 FRAME: 0911

ASSIGNMENT

WHEREAS, WE, DENNIS C. LIOTTA, ALFRED H. MERRILL, JR., THOMAS E.

~~SCHMETZ~~ / ~~EMS~~ 2-9-99

KEANE, EVA M. ~~SCHMETZ~~ AND KAPIL N. BHALLA have invented certain improvements

in SPHINGOLIPID DERIVATIVES AND THEIR METHODS OF USE for which we have executed

United States provisional application 60/074,536 on February 12, 1998; and

WHEREAS, EMORY UNIVERSITY., a Georgia corporation having an office at 1380 S.

Oxford Road, Atlanta, Georgia 30322, desires to purchase same;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) and other good

and valuable consideration paid by EMORY UNIVERSITY, the receipt and sufficiency of which

~~SCHMETZ~~ / ~~EMS~~

are hereby acknowledged, I, EVA M. ~~SCHMETZ~~, have sold, assigned, transferred and conveyed

and by these presents do hereby sell, assign, transfer and convey unto EMORY UNIVERSITY,

in and for the United States and its territories and for foreign countries, the entire right, title and

interest in and to said provisional application and said application for United States Letters

Patent, in and to the invention therein set forth and in and to any patent which may issue on said

application for United States Letters Patent or any reissue, renewal, division, continuation or

continuation-in-part thereof; and I hereby bind myself, my heirs, legal representatives,

administrators and assigns properly to execute without further consideration, any and all

applications, petitions, oaths and assignments or other papers and instruments which may be

necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance

hereby made or intended to be made.

PATENT

REEL: 009975 FRAME: 0912

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 9 day of

FEBRUARY, 1999.

Eva M. Schmetz

EVA M. SCHMETZ

SCHMETZ / EMS

STATE OF GEORGIA)

COUNTY OF Gwinnett)

ss.

On this 9th day of February, 1999, before me, a notary public, came EVA M. Schmetz, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

Lisa C. Jackson
Notary Public

(SEAL)

My commission expires: Notary Public, Gwinnett County, Georgia
My Commission Expires July 14, 2001

18085.105192

RECORDED: 05/24/1999

PATENT
REEL: 009975 FRAME: 0913