

06-17-1999

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027



U.S. Department of Commerce
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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)
Document ID# _____

Correction of PTO Error
Reel # _____ Frame # _____

Corrective Document
Reel # _____ Frame # _____

Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other _____

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Rumin Zhang Execution Date Month Day Year 04 01 99

Name (line 2) _____

Second Party

Name (line 1) Bruce A. Malcolm Execution Date Month Day Year 04 01 99

Name (line 2) _____

Receiving Party

Mark if additional names of receiving parties attached

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Schering Corporation

Name (line 2) _____

Address (line 1) 2000 Galloping Hill Road

Address (line 2) _____

Address (line 3) Kenilworth New Jersey USA 07033
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

Address (line 4) _____

06/16/1999 NTHAI1 00000222 190365 09288391
01 FC:581 40.00 CH

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09/288,391"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number PCT PCT

only if a U.S. Application Number PCT PCT has not been assigned.

Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account


(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Jaye P. McLaughlin 

Name of Person Signing Signature Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

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Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

Name (line 1)

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Address (line 1)

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ASSIGNMENT

For good and valuable consideration paid to us,

- (1) Rumin Zhang (2) Bruce A. Malcolm
- (3) Brian M. Beyer (4) F. George Njoroge
- (5) James P. Durkin (6) William T. Windsor

respectively residing at

- (1) Edison, New Jersey (2) Westfield, New Jersey
- (3) Summit, New Jersey (4) Union, New Jersey
- (5) Succasunna, New Jersey (6) East Brunswick, New Jersey

by **SCHERING CORPORATION**, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "**ASSIGNEE**"), we each do hereby sell, assign and transfer to said **ASSIGNEE** each of our entire right, title and interest in all countries of the world in and to any and all of our inventions and discoveries in NOVEL PEPTIDE SUBSTRATES FOR HCV NS3 PROTEASE ASSAYS

as described and/or claimed in our patent application executed on

- April 1, 1999 by Rumin Zhang
- April 1, 1999 by Bruce A. Malcolm
- April 1, 1999 by Brian M. Beyer
- April 1, 1999 by F. George Njoroge
- April 1, 1999 by James P. Durkin
- April 1, 1999 by William T. Windsor

and subsequently* officially identified as Application No. 09/288,391 filed on April 8, 1999

in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that issue on any of the aforesaid patent applications, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which a Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in **ASSIGNEE**, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and the expense of **ASSIGNEE**, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application when officially notified thereof.

Executed this 1st day of April, 19 99.

Rumin Zhang
Rumin Zhang L.S.

Executed this 1st day of April, 19 99.

Bruce A. Malcolm
Bruce A. Malcolm L.S.

Executed this 1st day of April, 19 99.

Brian M. Beyer
Brian M. Beyer L.S.

Executed this 1st day of April, 19 99.

F. George Njoroge
F. George Njoroge L.S.

Executed this 1st day of April, 19 99.

James P. Durkin
James P. Durkin L.S.

Executed this 1st day of April, 19 99.

William T. Windsor
William T. Windsor L.S.

ACKNOWLEDGEMENT

State of NJ)
County of Union) s.s.:

On this 1st day of April, 19 99.

personally appeared before me Rumin Zhang
to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Karen Johnston
Notary Public

"OFFICIAL SEAL"
Karen Johnston
Notary Public, State of New Jersey
My Commission Expires July 26, 2000

ACKNOWLEDGEMENT

State of NJ)
County of Union) s.s.:

On this 1st day of April, 1999,

personally appeared before me Brian A. Malcolm
to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Karen Johnston

Notary Public
"OFFICIAL SEAL"
Karen Johnston

Notary Public, State of New Jersey
My Commission Expires July 26, 2000

ACKNOWLEDGEMENT

State of NJ)
County of Union) s.s.:

On this 1st day of April, 1999,

personally appeared before me Brian M. Beyer
to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Karen Johnston

Notary Public
"OFFICIAL SEAL"
Karen Johnston

Notary Public, State of New Jersey
My Commission Expires July 26, 2000

ACKNOWLEDGEMENT

State of NJ)
County of Union) s.s.:

On this 1st day of April, 1999,

personally appeared before me F. George Njoroge
to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Karen Johnston

Notary Public
"OFFICIAL SEAL"
Karen Johnston
Notary Public, State of New Jersey
My Commission Expires July 26, 2000

ACKNOWLEDGEMENT

State of NJ)
County of Union) s.s.:

On this 1st day of April, 1999.

personally appeared before me James P. Durkin
to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Karen Johnston
Notary Public

"OFFICIAL SEAL"
Karen Johnston
Notary Public, State of New Jersey
My Commission Expires July 26, 2000

ACKNOWLEDGEMENT

State of NJ)
County of Union) s.s.:

On this 1st day of April, 1999.

personally appeared before me William T. Windsor
to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Karen Johnston
Notary Public

"OFFICIAL SEAL"
Karen Johnston
Notary Public, State of New Jersey
My Commission Expires July 26, 2000

Rev. 9/95 JHB