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Haiyan Wang

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Name (line 1)

Schering Corporation



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2000 Galloping Hill Road

Address (line 2)

Address (line 3)

Kenilworth

New Jersey, USA

07033

City

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**PATENT**  
**REEL: 012471 FRAME: 0560**

**Correspondent Name and Address**

**Area Code and Telephone Number** 908-298-5068

**Name** Palaiyur Kalyanaraman

**Address (line 1)** Patent Dept. K-6-1, 1990

**Address (line 2)** Schering-Plough Corporation

**Address (line 3)** 2000 Galloping Hill Road

**Address (line 4)** Kenilworth NJ 07033-0530

**Pages**

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# 4

**Application Number(s) or Patent Number(s)**

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

**Patent Application Number(s)**

09/908,955

**Patent Number(s)**

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  
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PCT PCT PCT  
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# 1

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**Fee Amount for Properties Listed (37 CFR 3.41):** \$ 40.00

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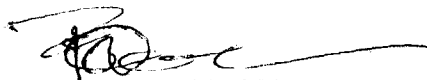
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Palaiyur Kalyanaraman

**Name of Person Signing**



**Signature**

December 7, 2001

**Date**

**ASSIGNMENT**

For good and valuable consideration paid to us,

(1) <u>ANIL K. SAKSENA</u>	(2) <u>VIYYOOR MOOPIL GIRIJAVALLABHAN</u>
(3) <u>RAYMOND G. LOVEY</u>	(4) <u>EDWIN E. JAO</u>
(5) <u>FRANK BENNETT</u>	(6) <u>JINPING L. MC CORMICK</u>
(7) <u>HAIYAN WANG</u>	(8) <u>RUSSELL E. PIKE</u>
(9) <u>STEPHANE L. BOGEN</u>	(10) <u>TIN-YAU CHAN</u>
(11) <u>YI-TSUNG LIU</u>	(12) <u>ZHAONING ZHU</u>
(13) <u>F. GEORGE NJOROG</u>	(14) <u>ASHOK ARASAPPAN</u>
(15) <u>TEJAL PAREKH</u>	(16) <u>ASHIT K. GANGULY</u>
(17) <u>KEVIN X. CHEN</u>	(18) <u>SRIKANTH VENTRAMAN</u>
(19) <u>HENRY A. VACCARO</u>	(20) <u>PATRICK A. PINTO</u>
(21) <u>BAMA SANTHANAM</u>	(22) <u>SCOTT JEFFREY KEMP</u>
(23) <u>ODILE ESTHER LEVY</u>	(24) <u>MARGUERITA LIM-WILBY</u>
(25) <u>SUSAN Y. TAMURA</u>	(26) <u>WANLI WU</u>
(27) <u>SISKA HENDRATA</u>	(28) <u>YUHUA HUANG</u>

respectively residing at

(1) <u>Upper Montclair, New Jersey</u>	(2) <u>Parsippany, New Jersey</u>
(3) <u>West Caldwell, New Jersey</u>	(4) <u>Warren, New Jersey</u>
(5) <u>Piscataway, New Jersey</u>	(6) <u>Edison, New Jersey</u>
(7) <u>Dayton, New Jersey</u>	(8) <u>Stanhope, New Jersey</u>
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(17) <u>Piscataway, New Jersey</u>	(18) <u>Fords, New Jersey</u>
(19) <u>South Plainfield, New Jersey</u>	(20) <u>Morris Plains, New Jersey</u>
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(25) <u>Santa Fe, New Mexico</u>	(26) <u>Edison, New Jersey</u>
(27) <u>Edison, New Jersey</u>	(27) <u>Scotch Plains, New Jersey</u>

by **SCHERING CORPORATION**, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 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 described in the patent application entitled NOVEL PEPTIDES AS  
NS3-SERINE PROTEASE INHIBITORS OF HEPATITIS C VIRUS

and officially identified\* by the United States Patent and Trademark Office as Application Number 09/908,955 filed on JULY 19, 20 01 , and/or by the World Intellectual Property Organization as International Patent Application Number PCT/US01/22678 filed on July 19, 20 01 , 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, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, 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 at 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 for Letters Patent when officially notified thereof.

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
ANIL K. SAKSENA L.S.

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
VIYYOOR MOOPIL GIRIJAVALLABHAN L.S.

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
RAYMOND G. LOVEY L.S.

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
EDWIN E. JAO L.S.

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
FRANK BENNETT L.S.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

JINPING L. MC CORMICK

Executed this 13<sup>th</sup> day of June, 2001.\_\_\_\_\_  
L.S.   
HAIYAN WANG

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

RUSSELL E. PIKE

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

STEPHANE L. BOGEN

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

TIN-YAU CHAN

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

YI-TSUNG LIU

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

ZHAONING ZHU

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

F. GEORGE NJOROGÉ

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

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L.S.

TEJAL PAREKH

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Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
L.S.

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PATRICK A. PINTO

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BAMA SANTHANAM

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WANLI WU

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

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L.S.

SISKA HENDRATA

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

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L.S.

YUHUA HUANG