		U.S. DEPARTMENT OF COMME
Form PTO-1595 (Rev. 10/02) 6-4-03 REC (Rev. 10/02) (exp. 6/30/2005)	102466126	U.S. Patent and Trademark
Tab settings	and Trademarks: Please record the attached or	riginal documents or copy thereof
		of receiving party(ies)
Name of conveying party(ies): Tejal Parekh	Name: Schering C	
rejarraiekn		
	Internal Address: 4	000 Galloping Hill Road
Additional name(s) of conveying party(ies) attached?	Yes No Kenilworth, New	Jersey 07033
3. Nature of conveyance:		
🔏 Assignment 🖵 Merg	per	
☐ Security Agreement ☐ Char	Street Address: Sa	me as above.
• Other		
Girci		State:Zip:
January 21, 2002		
Execution Date: January 31, 2002	Additional name(s) & ad	dress(es) attached? 📮 Yes 🎽
4. Application number(s) or patent number		
If this document is being filed together w	vith a new application, the execution da	te of the application is:
A. Patent Application No.(s)	B. Patent No.(s)	1
10/052,386		and the second
	litional numbers attached? 📮 Yes 🔀 No	()
Name and address of party to whom cor concerning document should be mailed:		
•	7. Total fee (37 CFR 3	.41)\$ 40.00
Internal Address: Schering-Plough Corp	Ch Caland	
	1	e charged to deposit account
Patent Dept. K-6-1, 1990		e charged to deposit account
	8. Deposit account nu	mber:
Street Address: 2000 Galloping Hill Roa	1	9-0365
		Plough Corporation
City: Kenilworth State: NJ Zip	(Attach duplicate copy of	f this page if paying by deposit accou
	DO NOT USE THIS SPACE	
9. Statement and signature.		
To the best of my knowledge and belief, is a true copy of the original document.	the foregoing information is true and c	orrect and any attached copy
Palaiyur Kalyanaraman, Reg. No. 34,634	The second	May 30, 2003
Name of Person Signing	Signature	Date
Total number of pa	and individual course shoot, attachments, and de	, I
Total number of pa	iges induding cover sheet, attachments, and do	cuments:

PATENT CASE: IN01159K1

ASSIGNMENT

For good and valuable consideration paid to us,	
(1) ANIL K. SAKSENA (2) VIYYOOR MOOPIL GIRIJAVALLABHAN	
(3) RAYMOND G. LOVEY (4) EDWIN E. JAO	_
(5) FRANK BENNETT (6) JINPING L. MC CORMICK	
(7) HAIYAN WANG (8) RUSSELL E. PIKE	
(9) STEPHANE L. BOGEN (10) TIN-YAU CHAN	
(11) YI-TSUNG LIU (12) ZHAONING ZHU	
(13) <u>F. GEORGE NJOROGE</u> (14) <u>ASHOK ARASAPPAN</u>	
(15) TEJAL PAREKH (16) ASHIT K. GANGULY	
(17) KEVIN X. CHEN (18) SRIKANTH VENKATRAMAN	
(19) <u>HENRY A. VACCARO</u> (20) PATRICK A. PINTO	_
(21) BAMA SANTHANAM (22) SCOTT JEFFREY KEMP	
(23) ODILE ESTHER LEVY (24) MARGUERITA LIM-WILBY	
(25) SUSAN Y. TAMURA (26) WANLI WU	
(27) SISKA HENDRATA (28) YUHUA HUANG	
(29) <u>JESSE K. WONG</u> (30) <u>LATHA NAIR</u>	
respectively residing at	
(1) <u>Upper Montclair, New Jersey</u> (2) <u>Parsippany, New Jersey</u>	
(3) West Caldwell, New Jersey (4) Warren, New Jersey	
(5) Piscataway, New Jersey (6) Edison, New Jersey	
(7) <u>Dayton, New Jersey</u> (8) <u>Stanhope, New Jersey</u>	
(9) Somerset, New Jersey (10) Edison, New Jersey	
(11) Morris Township, New Jersey (12) East Windsor, New Jersey	
(13) <u>Union, New Jersey</u> (14) <u>Bridgewater, New Jersey</u>	
(15) <u>Woodbridge, New Jersey</u> (16) <u>Upper Montclair, New Jersey</u>	
(17) Piscataway, New Jersey (18) Fords, New Jersey	
(19) South Plainfield, New Jersey (20) Morris Plains, New Jersey	
_(21) <u>Bridgewater, New Jersey</u> (22) <u>San Diego, California</u>	
(23) San Diego, California (24) La Jolla, California	
(25) Santa Fe, New Mexico (26) Edison, New Jersey	
(27) Edison, New Jersey (28) Scotch Plains, New Jersey	
(29) Monroe Township, New Jersey (30) Scotch Plains, New Jersey	_
by SCHERING CORPORATION, a corporation organized under the laws of the State of New Jers States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey United States of America, (hereinafter called "ASSIGNEE"), we each do hereby sell, assign and tr said ASSIGNEE each of our entire right, title and interest in all countries of the world in and to any our inventions and discoveries described in the patent application entitled NOVEL PEPTIE NS3-SERINE PROTEASE INHIBITORS OF HEPATITIS C VIRUS	07033 , ansfer to and all of
and officially identified* by the United States Patent and Trademark Office as Application Number	
10/ <u>052,386</u> filed on <u>January 18,</u> 20 <u>02</u> , and/or by the World Intellectual Property Organ	
International Patent Application Number PCT/US03/01430 filed on JANUARY 16, , 2003	
the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our n	ames, 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 In	ternational
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 tha	ıt 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.
		ANIL K. SAKSENA	
Executed this	day of		, 20
		VIYYOOR MOOPIL GIRIJAVALLABHAN	_L.S.
		VIYYOOR MOOPIL GIRIJAVALLABHAN	
Executed this	day of		, 20
			L.S.
		RAYMOND G. LOVEY	
Executed this	day of		, 20
			L.S.
<u> </u>		EDWIN E. JAO	
Executed this	day of		, 20
		FRANK BENNETT	L.S.
		FRANK BENNETT	

Executed this	day of		, 20	·
		JINPING L. MC CORMICK	L.S.	
Executed this	day of		00	
Executed this	day or		, 20	······································
		HAIYAN WANG	L.S.	
Executed this	day of		, 20_	<u>.</u> .
			L.S).
		RUSSELL E. PIKE		
Executed this	day of		, 20	·
		STEPHANE L. BOGEN	L.S.	
Executed this	day of			.
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		TIN-YAU CHAN	L	S.
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		YI-TSUNG LIU	L	S. ·
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			L.	.S.
		ZHAONING ZHU		
Executed this	day of		,	20
				L.S.
		F. GEORGE NJOROGE		
Executed this	day of		, 20)
				L.S.
_		ASHOK ARASAPPAN		
Executed this <u>3</u>	day of	anuory	,	20 <u>02</u>
	Speak	who were		_ L.S.
		TEJAL PAREKH		
Executed this	day of			20
	-		L	S.
		ASHIT K. GANGULY		

Executed this	day of		, 20
		KENIN V CHEN	L.S.
		KEVIN X. CHEN	
Executed this	day of		, 20
			L.S.
		SRIKANTH VENKATRAMAN	
Executed this	day of		, 20
		LIENDY A MAGGADO	L.S.
		HENRY A. VACCARO	
Executed this	day of		, 20
		0.170.07.1.00.70	L.S.
		PATRICK A. PINTO	
Executed this	day of		, 20
			L.S.
		BAMA SANTHANAM	
Executed this	day of		, 20
			L.S.
		SCOTT JEFFREY KEMP	
Executed this	day of		, 20
			L.S.
		ODILE ESTHER LEVY	
Executed this	day of		, 20
			L.S.
		MARGUERITA LIM-WILBY	
Executed this	day of		, 20
			L.S.
Executed this	day of	SUSAN Y. TAMURA	
		WANLI WU	L.S.
Executed this	day of		. 20
		SISKA HENDRATA	L.S.
Executed this	dav of		
		VIIHUA HUANG	L.S.

Executed this	day of	, 20
		L.S.
		JESSE K. WONG
Executed this	day of	, 20
Executed this	uay or	
		L.S. LATHA G. NAIR
		LATTIA G. MAIN
ACKNOWLEDGI	EMENT	
State of		
County of) s.s.:)	
On this _ ANIL K. SAKS	day of ENA	, 20, personally appeared before me to me known, and known by me to be the same person described
in and who execu	ited the foregoing instrum	ent, and acknowledged that he (she) executed the same, of his
(her) own free wil	I for the purpose set forth).
(Seal)		
		Notary Public
ACKNOW EDGI	-11517	
ACKNOWLEDGI	EMENI	
State of) s.s.:	
County of) s.s.:)	
		20 paraenally appeared before ma
VIYYOOR MOO	OPIL GIRIJAVALLABHA	, 20, personally appeared before me to me known, and known by me to be the
same person des	cribed in and who execut	ted the foregoing instrument, and acknowledged that he (she)
executed the sam	ne, or his (her) own tree w	vill for the purpose set forth.
(Seal)		
		Notary Public
	-14-1-1	
ACKNOWLEDGI	EMENI	
State of) s.s.:	
County of) S.S)	
		20 marroanelly appeared before me
On this _ RAYMOND G.	LOVEY	, 20, personally appeared before me to me known, and known by me to be the same person
described in and	who executed the forego own free will for the purp	ing instrument, and acknowledged that he (she) executed the
same, or ms (ner)	rown nee will for the purp	ooo see out.
(Seal)		
		Notary Public

ACKNOWLEDGEMENT				
State of				
County of) s.s.:)			
On this da	ay ofto me	, 20 known, a	, personally appeared before me and known by me to be the same person de	escribed
in and who executed the f (her) own free will for the p		nd acknov	wledged that he (she) executed the same, o	of his
(Seal)				
			Notary Public	
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County of)			
On this da da	oregoing instrument, ar	, 20 known, and acknow	, personally appeared before me and known by me to be the same person de wledged that he (she) executed the same, o	escribed of his
(Seal)				
			Notary Public	
ACKNOWLEDGEMENT				
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JINPING L. MC CORM	ICK	to me	, personally appeared before me known, and known by me to be the same p	
same, of his (her) own free			and acknowledged that he (she) executed t	ıı e
(Seal)				

ACKNOWLEDGEMENT	
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County of) s.s.:	
On this day of to m HAIYAN WANG to m in and who executed the foregoing instrument, a	_ , 20, personally appeared before me e known, and known by me to be the same person described and acknowledged that he (she) executed the same, of his
(her) own free will for the purpose set forth.	and derived god that the (ene) excepted the dame, of the
(Seal)	
	Notary Public
ACKNOWLEDGEMENT	
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TO MOSSELL E. PINE TO MO	, 20, personally appeared before me e known, and known by me to be the same person described and acknowledged that he (she) executed the same, of his
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	Notary Public
ACKNOWLEDGEMENT	
State of)	
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STEPHANE L. BOGEN lescribed in and who executed the foregoing ins	, 20, personally appeared before me to me known, and known by me to be the same person trument, and acknowledged that he (she) executed the
ame, of his (her) own free will for the purpose so	et forth.
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ACKNOWLEDGEMENT	
State of)) s.s.:	
County of) s.s.:	
On this day of to me	, 20, personally appeared before me known, and known by me to be the same person described
in and who executed the foregoing instrument, an (her) own free will for the purpose set forth.	d acknowledged that he (she) executed the same, of his
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On this day of to me in and who executed the foregoing instrument, an (her) own free will for the purpose set forth.	, 20, personally appeared before me known, and known by me to be the same person described d acknowledged that he (she) executed the same, of his
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ACKNOWLEDGEMENT	
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	Notary Public
ACKNOWLEDGEMENT	
State of)	
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On this day of, 20, pers	n, and known by me to be the same person
(Seal)	
	Notary Public
ACKNOWLEDGEMENT	
State of California	
State of California County of Jan Matter s.s.:	
On this 3/57 day of	onally appeared before me
in and who executed the foregoing instrument, and acknowledge	ed that k she executed the same, of h s.
(her) own free will for the purpose set forth.	
(Seal) Comin. # 1250629 NOTARY FUBLIC CALIFORNIA San Mateo County My Comm. Expires Feb. 15, 2004	thing Vsitis Notary Public

ACKNOWLEDGEMENT	
State of))
County of) s.s.:)
On this day of ASHIT K. GANGULY	, 20, personally appeared before me to me known, and known by me to be the same person described ng instrument, and acknowledged that he (she) executed the same, of his
(her) own free will for the purpose	e set forth.
(Seal)	
	Natara Dakii
	Notary Public
ACKNOWLEDGEMENT	
State of)) s.s.:
County of) S.S.:)
On this day of KEVIN X. CHEN n and who executed the foregoin (her) own free will for the purpose	, 20, personally appeared before me to me known, and known by me to be the same person described ag instrument, and acknowledged that he (she) executed the same, of his e set forth.
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	Notary Public
ACKNOWLEDGEMENT	
State of	
County of) s.s.:)
SRIKANTH VENKATRAMAN	to me known, and known by me to be the same person
same, of his (her) own free will fo	ne foregoing instrument, and acknowledged that he (she) executed the r the purpose set forth.
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ACKNOWLEDGEMENT	
State of)) s.s.:	
County of)	
HENRY A. VACCARO	, 20, personally appeared before me to me known, and known by me to be the same person instrument, and acknowledged that he (she) executed the
same, of his (her) own free will for the purpose	e set forth.
(Seal)	
	Notary Public
ACKNOWLEDGEMENT	
State of)	
County of) s.s.:	
PATRICK A. PINTO to 1	, 20, personally appeared before me me known, and known by me to be the same person described, and acknowledged that he (she) executed the same, of his
(Seal)	
	Notary Public
ACKNOWLEDGEMENT	
State of)	
) s.s.: County of)	
On this day of to r BAMA SANTHANAM to r n and who executed the foregoing instrument, her) own free will for the purpose set forth.	, 20, personally appeared before me me known, and known by me to be the same person described , and acknowledged that he (she) executed the same, of his
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ACKNOWLEDGEMENT	
State of)) s.s.:	
County of) s.s.:	
On this day of SCOTT JEFFREY KEMP	, 20, personally appeared before me to me known, and known by me to be the same person astrument, and acknowledged that he (she) executed the
	set forui.
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	Notary Public
ACKNOWLEDGEMENT	
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State of)) s.s.: County of)	
On this day of ODILE ESTHER LEVY described in and who executed the foregoing in same, of his (her) own free will for the purpose	, 20, personally appeared before me to me known, and known by me to be the same person astrument, and acknowledged that he (she) executed the set forth.
(Seal)	
	Notary Public
ACKNOWLEDGEMENT	
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) s.s.: County of)	
MARGUERITA LIM-WILBY	, 20, personally appeared before me to me known, and known by me to be the same person astrument, and acknowledged that he (she) executed the set forth.
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ACKNOWLEDGEMENT	
State of) s.s.:	
County of)	
On this day of to me	, 20, personally appeared before me e known, and known by me to be the same person described
in and who executed the foregoing instrument, a (her) own free will for the purpose set forth.	nd acknowledged that he (she) executed the same, of his
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	Notary Public
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WANLI WU to me known	, 20, personally appeared before me , and known by me to be the same person described in and
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On this day of to me	, 20, personally appeared before me known, and known by me to be the same person described
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On this	day of	, 20, personally appeared before me _ to me known, and known by me to be the same person describ
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		Notary Public
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JESSE K. WONG		, 20, personally appeared before me to me known, and known by me to be the same person describe ent, and acknowledged that he (she) executed the same, of his
(her) own free will for	the purpose set forth	
(Seal)		
		Notary Public
ACKNOWLEDGEME	ENT	
State of		
County of) s.s.:)	
On this LATHA G.NAIR	day of	, 20, personally appeared before me to me known, and known by me to be the same person describe ent, and acknowledged that he (she) executed the same, of his
n and who executed her) own free will for	the foregoing instrum the purpose set forth	ent, and acknowledged that he (she) executed the same, of his

RECORDED: 06/04/2003

PATENT REEL: 014131 FRAME: 0747