Patent Case	129	ITRC	<u>1</u> /P	
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U.S. DEPARTMENT OF COMMERCE U.S. PATENT AND TRADEMARK OFFICE

RECORDATION FORM COVER SHEET

PATENT	
TO THE DIRECTOR OF THE UNITED STAT PLEASE RECORD THE ATTACHED ORIGI	ES PATENT AND TRADEMARK OFFICE: NAL DOCUMENTS OR COPY THEREOF.
Name(s) of Conveying party(ies):	
Emilio A. Emini; David C. Kaslow; Andrew J. Bett; John W. St	niver
Additional name(s) of conveying party(ies) attached?	Yes X No
2. Nature of conveyance:	Name and address of receiving party(ies):
	Name: MERCK & Co., INC.
Merger	Internal Address: RY60-30
Security Agreement	Street Address: P.O. Box 2000
Change of Name	City & State: RAHWAY, NEW JERSEY
Other:	Zip/Postal Code: 07065-0907
Other.	·
Execution Date: <u>Mar 5, 2004 Mar 8, 2004 Mar 29</u>	Additional name(s) & Yes X No addresses attached?
4. Application number(s) or patent number(s) are as follows	3:
(a) Patent Application No(s). 10/492,178	, filed on <u>April 7, 2004</u>
and titled:	
HEPATITIS C VIRUS VACCINE	
(b) If this document is being filed together with a new a	pplication, the execution date of the application is:
(8) 11 4110 45541114114 45413 11541	Additional numbers attached?
5. Name & address of party to whom correspondence	3. Total no. of applications & patents involved: 1
	7. Total fee (37 CFR 3.41) <u>\$ 40.00</u>
Name: Sheldon O. Heber	Enclosed
Internal Address: PATENT DEPARTMENT	The Director is hereby authorized to charge the deposit
MERCK & CO., INC. P.O. BOX 2000 — RY60-30	account number entered below for any fees which may be required or to credit any overpayment.
	8. Deposit account number: 13-2755.
9. Statement and signature:	THIS SPACE
 Statement and signature: To the best of my knowledge and belief, the foregoing in 	formation is true and correct and any attached copy is a true
copy of the original document.	01 11 A.
Sheldon O. Heber Reg. No. 38,179	Signature Feb 3, 2006
Name of Person Signing	Cignitians
Total number of pages including co	ver sheet, attachments, and documents: 10
NOTE: Send to Mail Stop Assignment Recordation Service	es or Fax to Patent and Trademark Office at (571) 273-014
CERTIFICATE OF MAILING	OR FACSIMILE TRANSMISSION
I hereby certify that this correspondence is being deposited with the United 8 addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1 Trademark Office on:	states Postal Service with sufficient postage as first class mail in an envelope 450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and
Name (Print/Type) Jodi Hobbs	

IN D7700247431

Signature

Jodi Hobbs

Date February 3, 2006

Computer generated form Merchen 122/2005

NO. 129	P. 2	PATENT	
torney Docket No.	<u>ITR0015Y</u>		

Attorney Docker No.	1110012-
U.S. Serial No.	10/492,178
-	04/07/2004
	Q 1/ Q // W V V

ASSIGNMENT AND AGREEMENT

For value received, we, Emilio A. Emini; David C. Kaslow; Andrew J. Bett; John W. Shiver

of 341 Homestead Road, Wayne, PA 19087; PO Box 9130, 17962 Camino De La Mitra, Rancho Santa Fe, CA 92067-4130; 1402 Oxford Circle, Lansdale, PA 19446; 12 Marian Circle, Chalfont, PA 18914; respectively;

hereby sell, assign and transfer to MERCK & CO., INC., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to

HEPATITIS C VIRUS VACCINE

described in international application Serial No. PCT/US02/32512 filed on 10/10/2002 and in provisional application(s) Serial No. 60/363,774 filed on 03/13/2002 and 60/328,655 filed on 10/11/2001, and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and continuations of said application for Patents, including any foreign application derived therefrom, equivalent thereto or claiming priority thereof.

We request that any and all Patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We covenant with said assignce, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

We hereby authorize our attorney, Sheldon O. Heber _____ or an attorney with Power of Attorney in this application, of the said Merck & Co., Inc., to insert the Serial No. and Filing Date of said application(s) when known.

PATENT Page 1 of 3
REEL: 017232 FRAME: 0960

Fil	ing Date <u>04/07/2004</u>
ASSIGNMENT AND AGREEMENT	· • · · · · · · · · · · · · · · · · · ·
Signed at Answer, PA this 25 day of Manal	<u>, 2004</u> .
Emilio A. Emini	<u> </u>
Country of HONTGONKRY SS	
Personally appeared before me the above-named Emilio A. Emini	
to me known and known to me to be the person(s) who executed the foregoing instrument and acknowle	edged said instrument to be
his/her free act and deed this 2007 day of MARCH, 2004.	
)
Andrew P. Rolli, Jr., Notary Public Lower Merion Twp., Montgomery County My Commission Expires Oct. 22, 2006	Notary Public
Member, Pennsylvania Association Of Notaries	
Signed at this day of	, <u>2004</u> .
David C. Kaslow	
County of SS	
Personally appeared before me the above-named <u>David C. Kaslow</u>	
to me known and known to me to be the person(s) who executed the foregoing instrument and acknowl	edged said instrument to be
his/her free act and deed this day of, 2004.	
	Notary Public

FEB. 3. 2006 11:16AM

MERCK&CO 732 594 4720

PATENT Page 3 9 € 3 REEL: 017232 FRAME: 0961

NO. 129

Attorney Docket No. ITR0015Y

U.S. Serial No. 10/492,178

P. 3 PATENT

			Filing Date 04/07/2004
ASSIGNME	NT AND	AGREEMENT	
Signed at	this	day of	, 2004.
COMMONWEALTH OF PENNSYLVANIA Sounty of Montgomery		Andrew J. Bett	
ounty of Montgomery			
Personally appeared before me the above-named \underline{a}			
o me known and known to me to be the person(s) who exe			cknowledged said instrument to be
nis/her free act and deed this day of	<u>. </u>	, <u>2004</u> .	
			Notary Public
· ·			
Signed at	this	day of	, <u>2004</u> .
		John W. Shiver	
COMMONWEALTH OF PENNSYLVANIA County of Montgomery SS			
Personally appeared before me the above-named			
o me known and known to me to be the person(s) who ex			acknowledged said instrument to be
his/her free act and deed this day of		, <u>2004</u> .	
		<u> </u>	Notary Public

FEB. 3. 2006 11:16AM

MERCK&CO 732 594 4720

PATENT Page 3 of 3
REEL: 017232 FRAME: 0962

NO. 129

Attorney Docket No. ITR0015Y

U.S. Serial No. 10/492,178

P. 4 PATENT

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NO. 129	Ρ.	5	PATENT
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Attorney Docket No.	<u>ITR0015Y</u>
U.S. Serial No.	10/492,178
Filing Date	04/07/2004

ASSIGNMENT AND AGREEMENT

For value received, we, Emilio A. Emini; David C. Kaslow; Andrew J. Bett; John W. Shiver

of 341 Homestead Road, Wayne, PA 19087; PO Box 9130, 17962 Camino De La Mitra, Rancho Santa Fe, CA 92067-4130; 1402 Oxford Circle, Lansdale, PA 19446; 12 Marian Circle, Chalfont, PA 18914; respectively;

hereby sell, assign and transfer to MERCK & CO., INC., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to

HEPATITIS C VIRUS VACCINE

described in international application Serial No. PCT/US02/32512 filed on 10/10/2002 and in provisional application(s) Serial No. 60/363,774 filed on 03/13/2002 and 60/328,655 filed on 10/11/2001, and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and continuations of said application for Patents, including any foreign application derived therefrom, equivalent thereto or claiming priority thereof.

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We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominces.

We covenant with said assignce, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

We hereby authorize our attorney, Sheldon O. Heber or an attorney with Power of Attorney in this application, of the said Merck & Co., Inc., to insert the Serial No. and Filing Date of said application(s) when known.

PATENT Page 1 of 3
REEL: 017232 FRAME: 0963

Personally appeared before me the above-named David C. Kaslow to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this _____ day of _____ MARCH _______, 2004.

Copina M. Sahu

PATENT REEL: 017232 FRAME: 0964

NO. 129

•			Attorney Docket No.	ITR0015Y
				10/492,178
			Filing Date	04/07/2004
ASSIGNMI	ENT AND	AGREEMENT		
Signed at	this	day of		, <u>2004</u> .
		Andrew J. Bett	<u></u>	
COMMONWEALTH OF PENNSYLVANIA County of Montgomery SS				
Personally appeared before me the above-named	. <u>Andrew J. E</u>	Bett	. <u></u>	
o mc known and known to me to be the person(s) who ex	secuted the fe	oregoing instrument a	nd acknowledged sai	d instrument to be
is/her free act and deed this day of		, <u>2004</u> .		
			<u> </u>	T
			Λ	lotary Public
Signed at	ونياد	dov of		2004
Signed at	tnis	day of		, <u>2004</u> .
		John W. Shiver	<u> </u>	
OMMONWEALTH OF PENNSYLVANIA				
COMMONWEALTH OF PENNSYLVANIA SS County of Montgomery				
county of Montgomery				
Personally appeared before me the above-named				
me known and known to me to be the person(s) who ex	xecuted the f	oregoing instrument a	nd acknowledged sa	id instrument to be
nis/her free act and deed this day of		<u>, 2004</u> .		
			<u> </u>	Notary Public

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PATENT Page 3 of 3
REEL: 017232 FRAME: 0965

NO. 129

NO. 129 P. 8 PATENT

Attorney Docket No. ITR0015Y

U.S. Serial No. 10/492,178

Filing Date <u>04/07/2004</u>

ASSIGNMENT AND AGREEMENT

For value received, we, Emilio A. Emini; David C. Kaslow; Andrew J. Bett; John W. Shiver

of 341 Homestead Road, Wayne, PA 19087; PO Box 9130, 17962 Camino De La Mitra, Rancho Santa Fc, CA 92067-4130; 1402 Oxford Circle, Lansdale, PA 19446; 12 Marian Circle, Chalfont, PA 18914; respectively;

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HEPATITIS C VIRUS VACCINE

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We hereby authorize our attorney, Sheldon O. Heber or an attorney with Power of Attorney in this application, of the said Merck & Co., Inc., to insert the Serial No. and Filing Date of said application(s) when known.

PATENT REEL: 017232 FRAME: 0966

,	ASSIGNME:	NT AND	AGREEMENT	U.S. Serial No.	ITR0015Y. 10/492,178 04/07/2004
Signed at		this	day of		, <u>2004</u> .
			Emilio A. Emini		
County of	} ss				
Personally appeared befor to me known and known to me to b					d instrument to be
his/her free act and deed this				mu acknowieugeu san	d list difference to bo
					Totary Public
Signed at		this	day of		, <u>2004</u> .
			David C. Kaslow		:
County of	} ss				;
Personally appeared befor	e me the above-named $\underline{\Gamma}$	avid C. Ka	slow		
to me known and known to me to b	e the person(s) who exe	cuted the fo	regoing instrument s	ınd acknowledged sai	d instrument to be
his/her free act and deed this	day of		<u>, 2004</u> .		

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PATENT REEL: 017232 FRAME: 0967

Notary Public

NO. 129 P. 9

Automey Docket No. Axessign	_
U.S. Scrial No. <u>10/492.178</u>	_
Filing Date 04/07/2004	_
ASSIGNMENT AND AGREEMENT	
ADDITIONAL AND POSTULATION	
Signed at Wood Point, Pennsylvania this 5 th day of March , 2004.	
and the second s	
Andrew J. Bett	
A CONTRACT OF THE CONTRACT AND A CON	
COMMONWEALTH OF PENNSYLVANIA SS	
County of Montgomery	
County of Management	
Personally appeared before me the above-named Andrew J. Bett	
to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be	
his/her free act and deed this 5th day of March . 2004.	
Notarial Seal Brenda Myers, Notary Public Brenda Myers, Notary Public	
Brenda Myers, Notary Public Upper Gwynedd Twp., Montgomery County My Commission Expires Apr. 11, 2006 Hotory Public	
My Commission Capacitation of Notaries Member, Pennsylvania Association of Notaries	
Wellioal' Lettilahasi in Consorting	
Towns and the second of the se	
and the same of	
Signed at West Point, Penosylvania this 5th day of March 2004.	
- LIN() .	
John W Shiver	
COMMONWEALTH OF PENNSYLVANIA	
> ss	
County of Montgomery	
Personally appeared before me the above-named <u>John W. Shiver</u>	_
to me known and known to me to be the person(s) who executed the foregoing instrument and acknowledged said instrument to be	
r + r + r + r + r + r + r + r + r + r +	
his/her free act and deed this	
Brenda Myers, Notary Public Harris Guyand The Markey Public	
Upper Gwynedd Twp., Montgomery County My Commission Expires Apr. 11, 2006 Rotary Public	
Member, Pennsylvania Association of Notaries	••
-د- الأعدور - المنظمة والمنطقة المنطقة المنطق	

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RECORDED: 02/03/2006

PATENT Page 3 of 3 REEL: 017232 FRAME: 0968

NO. 129 P. 10 PATENT