

RECORDATION FORM COVER SHEET
PATENTS ONLY

TO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE:
PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name(s) of Conveying party(ies):

Emilio A. Emini; David C. Kaslow; Andrew J. Bett; John W. Shiver

Additional name(s) of conveying party(ies) attached?

☐ Yes

☒ No

2. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other:

3. Name and address of receiving party(ies):

Name: MERCK & Co., INC.

Internal Address: RY60-30

Street Address: P.O. Box 2000

City & State: RAHWAY, NEW JERSEY

Zip/Postal Code: 07065-0907

Execution Date: Mar 5, 2004 Mar 8, 2004 Mar 29, 2004

Additional name(s) &
addresses attached?

☐ Yes

☒ No

4. Application number(s) or patent number(s) are as follows:

(a) Patent Application No(s). 10/492,178, filed on April 7, 2004

and titled:

HEPATITIS C VIRUS VACCINE

(b) If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached?

☐ Yes

☒ No

5. Name & address of party to whom correspondence
concerning documents should be mailed:

Name: Sheldon O. Heber

Internal Address: PATENT DEPARTMENT
MERCK & CO., INC.
P.O. BOX 2000 - RY60-30

City & State: RAHWAY, N.J. Zip: 07065-0907

6. Total no. of applications & patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed

☒ The Director is hereby authorized to charge the deposit
account number entered below for any fees which may
be required or to credit any overpayment.

8. Deposit account number: 13-2755

DO NOT USE THIS SPACE

9. 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.

Sheldon O. Heber Reg. No. 38,179

Name of Person Signing

Sheldon O. Heber
Signature

Feb 3, 2006

Date

Total number of pages including cover sheet, attachments, and documents: 10

NOTE: Send to Mail Stop Assignment Recordation Services or Fax to Patent and Trademark Office at (571) 273-0140

CERTIFICATE OF MAILING OR FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope
addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and
Trademark Office on:

Name (Print/Type) Jodi Hobbs

Signature Jodi Hobbs

Date February 3, 2006

PATENT

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing 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

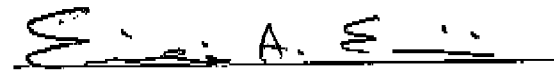
described in international application Serial No. PCT/US02/32512 filed on 10/10/2002 and in provisional application(s) Serial No. 60/363,774 filed on 03/13/2002 and 60/328,655 filed on 10/11/2001, and all the rights and privileges, including any and all benefits under the International Convention for 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.

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.

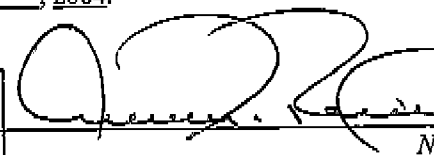
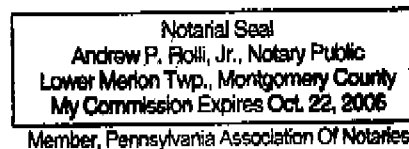
We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title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

We covenant with said assignee, 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.

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004**ASSIGNMENT AND AGREEMENT**Signed at Andover, PA this 29 day of March, 2004.
Emilio A. EminiCommonwealth of PA }
County of MONTGOMERY } 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 acknowledged said instrument to be
his/her free act and deed this 29th day of MARCH, 2004.


Notary Public

Signed at _____ this _____ day of _____, 2004.

David C. Kaslow_____
County of _____ } SS

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 _____, 2004.

Notary Public

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004**ASSIGNMENT AND AGREEMENT**

Signed at _____ this _____ day of _____, 2004.

Andrew J. BettCOMMONWEALTH OF PENNSYLVANIA }County of Montgomery }

SS

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 _____ day of _____, 2004.

Notary Public

Signed at _____ this _____ day of _____, 2004.

John W. ShiverCOMMONWEALTH OF PENNSYLVANIA }County of Montgomery }

SS

Personally appeared before me the above-named John W. Shiver

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 _____, 2004.

Notary Public

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004**ASSIGNMENT AND AGREEMENT**

For value received, we, Emilio A. Emimi; 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 assignee, 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.

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004**ASSIGNMENT AND AGREEMENT**

Signed at _____ this _____ day of _____, 2004.

Emilio A. Emini_____
County of _____ } 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 acknowledged said instrument to be
his/her free act and deed this _____ day of _____, 2004.

Notary PublicSigned at San Diego, California this 8th day of March, 2004.David C. Kaslow
David C. KaslowSTATE OF CALIFORNIA
County of SAN DIEGO } SS

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 8th day of MARCH, 2004.

Anna M. Baker
Notary Public

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004**ASSIGNMENT AND AGREEMENT**

Signed at _____ this _____ day of _____, 2004.

Andrew J. BettCOMMONWEALTH OF PENNSYLVANIA }County of Montgomery }

SS

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 _____ day of _____, 2004.

Notary Public

Signed at _____ this _____ day of _____, 2004.

John W. ShiverCOMMONWEALTH OF PENNSYLVANIA }County of Montgomery }

SS

Personally appeared before me the above-named John W. Shiver

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 _____, 2004.

Notary Public

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing 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;

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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 assignee, 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**REEL: 017232 FRAME: 0966**

Page 1 of 3

Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004**ASSIGNMENT AND AGREEMENT**

Signed at _____ this _____ day of _____, 2004.

Emilio A. Emini_____
County of _____

} 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 acknowledged said instrument to be his/her free act and deed this _____ day of _____, 2004.

Notary Public

Signed at _____ this _____ day of _____, 2004.

David C. Kaslow_____
County of _____

} SS


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 _____, 2004.

Notary Public


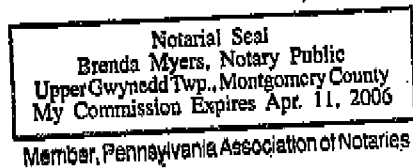
Attorney Docket No. ITR0015YU.S. Serial No. 10/492,178Filing Date 04/07/2004


ASSIGNMENT AND AGREEMENT

Signed at West Point, Pennsylvania this 5th day of March, 2004.

Andrew J. Bett


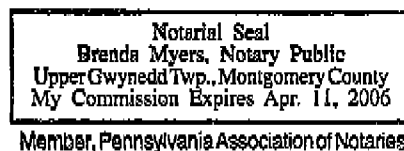
COMMONWEALTH OF PENNSYLVANIA }
County of Montgomery } SS

Personally appeared before me the above-named Andrew J. Bettto 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.

Brenda Myers
Notary PublicSigned at West Point, Pennsylvania this 5th day of March, 2004.

John W. Shiver

COMMONWEALTH OF PENNSYLVANIA }
County of Montgomery } SS

Personally appeared before me the above-named John W. Shiverto 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.

Brenda Myers
Notary Public