

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the names of the first Inventor and the second Assignee previously recorded on Reel 015681 Frame 0344. Assignor(s) hereby confirms the the first Inventor to be "Kevin PETHE" and the second Assignee to be "INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE".

**CONVEYING PARTY DATA**

Name	Execution Date
Kevin PETHE	06/01/2004
Franco MENOZZI	05/25/2004
Camille LOCHT	05/24/2004

**RECEIVING PARTY DATA**

<b>Name:</b>	INSTITUT PASTEUR DE LILLE
<b>Street Address:</b>	1, rue de Professeur Calmette
<b>City:</b>	Lille Cedex
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	F-59019

<b>Name:</b>	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
<b>Street Address:</b>	101, rue de Tolbiac
<b>City:</b>	Paris Cedex 13
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	F-75654

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	10847606

**CORRESPONDENCE DATA**

Fax Number: 7032058050  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 703-205-8000  
 Email: beattys@bskb.com

CH \$40.00 10847606

**502333739**

**PATENT  
 REEL: 030342 FRAME: 0088**

Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP  
Address Line 1: P. O. Box 747  
Address Line 4: Falls Church, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER: 2121-0181PUS1

NAME OF SUBMITTER: Sarah L. Beatty

Signature: /Sarah L. Beatty/

Date: 05/02/2013

Total Attachments: 6  
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2121-0181P

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 14, 2005

PTAS



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BIRCH STEWART KOLASCH & BIRCH, LLP  
GERALD M. MURPHY, JR.  
P.O. BOX 747  
FALLS CHURCH, VA 22040-0747

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/16/2004

REEL/FRAME: 015681/0344  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 2121-0181P

~~ASSIGNOR:~~  
~~KEVIN, PETHE~~

*PETHE, KEVIN*

DOC DATE: 06/01/2004

~~ASSIGNOR:~~  
~~MENOZZI, FRANCO~~

DOC DATE: 05/25/2004

~~ASSIGNOR:~~  
~~LOCHT, CAMILLE~~

DOC DATE: 05/24/2004

ASSIGNEE:  
INSTITUT PASTEUR DE LILLE  
1 RUE DE PROFESSEUR CALMETTE  
LILLE CEDEX, FRANCE F-59019

**PATENT**

ASSIGNEE:

INSTITUT NATIONAL DE LA SANTE ET  
DE LA RECHERCHE MEDICALE  
101, RUE DE TOLBIAC  
PARIS CEDEX 13, FRANCE F-75654

*INSTITUT NATIONAL DE LA SANTE  
ET DE LA RECHERCHE MEDICALE*

SERIAL NUMBER: 10847606

FILING DATE: 05/18/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHYLATED HEPARIN-BINDING HEMAGGLUTININ RECOMBINANT MYCOBACTERIAL  
ANTIGEN, PREPARATION METHOD AND IMMUNOGENIC COMPOSITIONS COMPRISING  
SAME

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



08-19-2004

Atty. Docket No.: 2121-0181P  
Page 1 of 1

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102817677

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] <b>PETHE, Kevin</b> <b>MENOZZI, Franco</b> <b>LOCHT, Camille</b></p> <p style="text-align: right; font-size: 2em;">8-16-04</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>2. Name and address of receiving party(ies) Name: <b>INSTITUT PASTEUR DE LILLE</b> Internal Address: Street Address: <b>1 rue de Professeur Calmette</b> City: <b>Lille Cedex</b> State: ZIP: Country: <b>FRANCE</b> Postal Code: <b>F-59019</b> Additional name(s) &amp; address(es) attached? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
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3. Nature of conveyance:

Assignment       Merger  
 Security Agreement       Change of Name  
 Other:

Execution Date: **June 1, 2004, May 25, 2004, May 24, 2004, Respectively**

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No(s). <b>10/847,606</b></p>	<p>B. Patent No.(s).</p>
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Additional numbers attached?  YES  NO

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP</b> Street Address: <b>P.O. BOX 747</b> City: <b>FALLS CHURCH</b> State: <b>VA</b> ZIP: <b>22040-0747</b> Country: <b>USA</b></p>	<p>6. Total No. of applications/patents involved: (1) 7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: <u>02-2448</u> <small>(Attach duplicate copy of this page if paying by deposit account)</small></p>
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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.*

Gerald M. Murphy, Jr., #28,977  
Name of Person Signing/Reg. No.

  
Signature **# 26,066**

August 16, 2004  
Date

Total number of pages including cover sheet, attachments, and document: (4)

18/18/2004 ECOOPER 00000027 10847606

GMM/anp  
(Rev. 06/23/2004)

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40.00 DP

PATENT  
REEL: 030342 FRAME: 0092



Attachment to  
RECORDATION FORM COVER SHEET

Continuation of Box 1--Name of conveying party(ies):

Continuation of Box 2--Name and address of receiving party(ies):

**INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE**  
**101, rue de Tolbiac F-75654**  
**Paris Cedex 13, France**

Continuation of Box 4--Application number(s) or patent number(s):

ATTORNEY DOCKET NO. 2121-0181PUS1

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## ASSIGNMENT

Application No. 10/847,606

Filed May 18, 2004

Insert Name(s)  
of Inventor(s)

\*\*\*(Given Name FAMILY NAME (ALL CAPS))\*\*\*

WHEREAS, Kevin PETHE Franco MENOZZI  
Camille LOCHT  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in  
METHYLATED HEPARIN-BINDING HEMAGGLUTININ RECOMBINANT MYCOBACTERIAL  
ANTIGEN, PREPARATION METHOD AND IMMUNOGENIC COMPOSITIONS COMPRISING SAME

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date  
of Signing of  
Application

on June 1, 2004, May 25, 2004, Respectively; and

Insert Name  
of Assignee 1

WHEREAS, INSTITUT PASTEUR DE LILLE

Insert Address  
of Assignee 1

of 1, rue de Professeur Calmette, F-59019, Lille Cedex, France

Insert Name  
of Assignee 2

and, INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE

Insert Address  
of Assignee 2

of 101, rue de Tolbiac, F-75654, Paris Cedex 13, France

their heirs, successors, legal representatives and assigns (hereinafter designated as the Assignees) are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX  
IF APPROPRIATE

in any foreign countries,

in equal undivided amounts unless specific undivided amounts are listed below:

OWNERSHIP  
INTEREST

Assignee 1 (50%); Assignee 2 (50%).

MAY-14-2004 FRI 04:54 PM BSKB

FAX NO. 7032058050

P. 05

Attorney Docket No. 2121-0181PUS1

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignees in the specific undivided amounts listed above, or if not listed above, in equal undivided amounts, the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature) Kevin PETHÉ

Date 06/01/2004

Name of Inventor \_\_\_\_\_

(signature) Franco MENOZZI

Date 25/5/04

Name of Inventor \_\_\_\_\_

(signature) Camille LOCHT

Date 24/05/04

Name of Inventor \_\_\_\_\_

(signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature)