

12-16-1999

To the Honorable Commissioner of P:

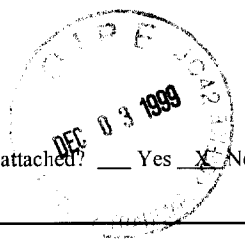


Original documents or copy thereof.

101224930

Name of Conveying party(ies):
INSTITUT PASTEUR

receiving party(ies)



Name: INSTITUT NATIONAL DE LA SANTÉ ET DE LA
RECHERCHE MÉDICALE (INSERM)

Additional name(s) of conveying party(ies) attached? Yes No

Internal Address: _____

Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Street Address: 101, RUE DE TOLBIAC
75654 PARIS CEDEX 13, FRANCE

City: _____ State: _____ ZIP: _____

Execution Date: December 1, 1999

Additional name(s) and address(es) attached? Yes No

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: _____

A. Patent Application No.(s)

B. Patent No.(s)

08/737,588

Additional numbers attached: Yes No

Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: Neil F. Greenblum

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

Internal Address: P15127

Enclosed

Authorized to be charged to deposit account

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

8. Deposit account number:

1941 Roland Clarke Place

19-0089

(Attach duplicate copy of this page if paying by deposit account)

City: Reston State: VA ZIP: 20191

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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.

Neil F. Greenblum, Reg. No. 28,394
Name of Person Signing

Neil F. Greenblum
Signature

12/3/99
Date

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

1/17/1999 TTON11 00000060 08737588 Mail documents to be recorded with required cover sheet information to:
FC:581 40.00 DP Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

LISTING OF ADDITIONAL RECEIVING PARTIES

Name: INSTITUT PASTEUR DE LILLE

Street address: 1, rue du Professeur Calmette B. P., 245 59019 Lille Cedex, France

P13127.A54

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ASSIGNMENT

WHEREAS, Institut Pasteur, a French foundation organized and existing under the laws of the State of France, whose post office address is 28, rue du Docteur Roux 75724 Paris Cedex 15, France, hereinafter referred to as the ASSIGNOR, is assigning their rights of a certain improvement relating to

SHUTTLE VECTORS FOR THE INTRODUCTION OF DNA INTO MYCOBACTERIA AND UTILIZATION OF SUCH BACTERIA AS VACCINES

for which an application for Letters Patent of the United States which was filed in the United States Patent and Trademark Office on February 12, 1997 and was awarded Serial No. 08/737,588.

AND for which an assignment from Vincent ESCUYER, Alain BAULARD, Patrick BERCHE, Camille LOCHT, and Nadia HADDAD, in favor of Institut National de la Santé et de la Recherche Médicale, Institut Pasteur, and Institut Pasteur de Lille, has been recorded at Reel 9524, Frame 0891 (for four pages) on October 21, 1998;

AND WHEREAS, Institut National de la Santé et de la Recherche Médicale (INSERM), a Public, Scientific and Technical Establishment organized and existing under the laws of the State of France, whose post office address is 101, rue de Tolbiac, 75654 Paris Cedex 13, France, and Institut Pasteur de Lille, a foundation organized and existing under the laws of the State of France, whose post office address is 1, rue du Professeur Calmette B.P. 245 59019 Lille Cedex, France, hereinafter known as the ASSIGNEES, are desirous of acquiring the right, title and interest for the United States in and to said invention and application, previously assigned to Institut Pasteur, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assign, sell and transfer to said ASSIGNEES, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEES and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEES and its assigns and legal representatives in as simple and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

PATENT

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AND said ASSIGNOR hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by an authorized Signee of Institut Pasteur, this 1st day of DECEMBER 1999, at (address) 28, rue du Docteur Roux 75724 Paris Cedex 15, France.

Witnessed by:

Florence Collin

Name

Date December 1, 99

COLLIN Florence

Alain Gallochat

Authorized Signee for Institut Pasteur

ALAIN GALLOCHAT

Title

GENERAL COUNSEL

Name

Date December 1, 1999

RACLOT Jean

J Raclot

