



TO THE ASSISTANT COMMISSIONER FOR

102481468

documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. Pierre Buffet
2. Christine Scheidig
3. Artur Scherf

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

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

Name: Institut Pasteur
City: Paris Country: FranceAdditional name(s) of receiving party(ies) attached?
(X) Yes () No

3. Nature of conveyance:

(X) Assignment

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

1. May 28, 2003
2. March 28, 2003
3. April 2, 2003

4. Application number(s) or Patent number(s):

(X) Patent Application No.: 10/087,013
Filing Date: February 21, 2002

Additional numbers attached? () Yes (X) No

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

Name: Nancy W. Vensko
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Fourteenth Floor

Street Address: 2040 Main Street

City: Irvine State: CA ZIP: 92614

Attorney's Docket No.: NIH176.001C1

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Nancy W. Vensko
Name of Person Signing

Signature

Date

36,298

Registration No.

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

Mail documents to be recorded with required cover sheet information to:

06/24/2003 ECOOPER 00000154 10087013

01 FC:8021

40.00 DP

Mail Stop Assignment Recordation Services
Director, U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450RECORDPA
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061603

FINANCE SECTION

JUN 23 AM 7:19

ASSIGNMENT

WHEREAS, I, Pierre Buffet, a French citizen, residing at 157 BD Davout 75020, Paris France, have invented certain new and useful improvements in a IDENTIFICATION OF THE DOMAIN OF PLASMODIUM FALCIPARUM ERYTHROCYTE MEMBRANE PROTEIN 1 (PFEMP1) THAT MEDIATES ADHESION TO CHONDROITIN SULFATE A for which I have filed an application for Letters Patent in the United States, U.S. Pat. Appl. No. 10/087,013 filed February 21, 2002, which claims the benefit of priority of PCT/US00/24195 filed September 1, 2000, which claims the benefit of priority of U.S. Pat. Appl. No. 60/152,023 filed September 1, 1999;

AND WHEREAS, Institut Pasteur (hereinafter "ASSIGNEE"), with its principal place of business at Paris, France, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of February, 2003

Pierre Buffet



INSTITUT PASTEUR

Centre Médical
Dr Pierre BUFFET
Directeur

208 - 211, rue de Vaugirard
75724 Paris Cedex 15
Tel: 01 45 68 81 15
Fax: 01 40 61 30 19
E-mail: pabuffet@pasteur.fr

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ASSIGNMENT

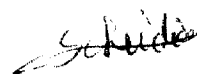
WHEREAS, I, Christine Scheidig, a French citizen, residing at 33, avenue du General Delestraint, 77176 Savigny le Temple, France, have invented certain new and useful improvements in a IDENTIFICATION OF THE DOMAIN OF PLASMODIUM FALCIPARUM ERYTHROCYTE MEMBRANE PROTEIN 1 (PFEMP1) THAT MEDIATES ADHESION TO CHONDROITIN SULFATE A for which I have filed an application for Letters Patent in the United States, U.S. Pat. Appl. No. 10/087,013 filed February 21, 2002, which claims the benefit of priority of PCT/US00/24195 filed September 1, 2000, which claims the benefit of priority of U.S. Pat. Appl. No. 60/152,023 filed September 1, 1999;

AND WHEREAS, Institut Pasteur (hereinafter "ASSIGNEE"), with its principal place of business at Paris, France, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of March, 2002.



Christine Scheidig

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ASSIGNMENT

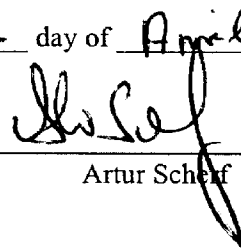
WHEREAS, I, Artur Scherf, a German citizen, residing at 42, rue Mathurin Regnier, F-75015 Paris, France, have invented certain new and useful improvements in a IDENTIFICATION OF THE DOMAIN OF PLASMODIUM FALCIPARUM ERYTHROCYTE MEMBRANE PROTEIN 1 (PFEMP1) THAT MEDIATES ADHESION TO CHONDROITIN SULFATE A for which I have filed an application for Letters Patent in the United States, U.S. Pat. Appl. No. 10/087,013 filed February 21, 2002, which claims the benefit of priority of PCT/US00/24195 filed September 1, 2000, which claims the benefit of priority of U.S. Pat. Appl. No. 60/152,023 filed September 1, 1999;

AND WHEREAS, Institut Pasteur (hereinafter "ASSIGNEE"), with its principal place of business at Paris, France, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

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AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2 day of April, 2003



Artur Scherf

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