

RECORDATION FORM COVER SHEET

PATENTS ONLY

CASE 22714 US

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Martin Karpf
- 2) Rene Trussardi

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

Name: F. HOFFMANN-LA ROCHE AG

Internal Address: A SWISS COMPANY

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 124 GRENZACHERSTRASSE,
CH-4070

Country: BASEL, SWITZERLAND

Execution Date: July 11, 2005

Additional name(s) & address(es) attached:
Yes No

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:

A. Patent Application No.(s)

B. Patent No.(s)

USSN 11/215,753

FILED: August 30, 2005

Additional numbers attached? Yes No

CH \$40.00 082626 11216753

Page 2 of 2

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

Name: GEORGE W. JOHNSTON

Internal Address:

HOFFMANN-LA ROCHE INC.PATENT LAW DEPARTMENTStreet address: 340 KINGSLAND STREETCity: NUTLEY State: NJ Zip: 07110

6. Total number of applications and patents involved: ONE

7. Total fee (37 CFR 3.41).... \$ 40.00 Authorized to be charged to deposit account Authorized any deficiencies to be charged to deposit account

8. Deposit account number:

08-2525

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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.

DENNIS P. TRAMALONI

Name of Person Signing



Signature

November 18, 2005

Date

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Total number of pages including cover sheet, attachments and document: 3

161584

PATENT
REEL: 017040 FRAME: 0126

Case 22714

U.S.A.

Assignment

WHEREAS, I/WE

Martin Karpf, Rene Trussardi

the ASSIGNOR(S), have invented certain new and useful improvements in

PROCESS FOR THE PREPARATION OF 4,5-DIAMINO SHIKIMIC ACID DERIVATIVES

which are described and claimed in application for United States Letters Patent in respect of which a Declaration and Power of Attorney was executed on

July 11, 2005

which application is based upon the following foreign application(s)

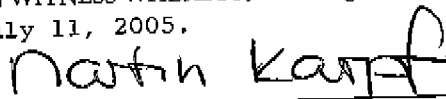
in Europe on September 2, 2004 under No. 04104227.6

NOW, THEREFOR, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations to me (us) in hand paid, the receipt and sufficiency whereof are hereby acknowledged, I/we have sold, assigned and set over, and by these presents do hereby sell, assign and set over unto

**F. Hoffmann-La Roche AG, a Swiss Company
of 124 Grenzacherstrasse, CH-4070 Basle, (Switzerland) the Assignee**

and the said Assignee's legal representatives, successors and assigns, the entire right, title and interest, in and to the said invention within the United States of America and its territories and possessions, and in and to said application and the Letters Patent of the United States of America that may be granted therefor, together with the right to extend the protection thereof to the various territories and possessions now owned or which may be acquired hereafter by the United States of America; and I/we do hereby request and authorize the Commissioner of Patents to issue said Letters Patent to the above-mentioned Assignee agreeably with the terms of this assignment.

UPON SAID CONSIDERATION, I/we do hereby covenant and agree with the said Assignee that I/we will not execute any writing or do any act whatsoever conflicting with these presents, and that I/we will at any time upon request without further or additional consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued, or extended Letters Patent of the United States of America on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, including but not limited to, giving testimony in any proceedings or transactions involving such applications or patents, and executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, this Assignment has been executed by the Assignor(s) at Basle, Switzerland, on
July 11, 2005.

Martin Karpf



Rene Trussardi