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

1. Name of conveying party(ies):

1. Oskar Michael Kalb
2. Stephen John Valazza

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

3. Nature of conveyance:

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

Execution Date: 1. June 28, 2000

2. May 25, 2000

2. Name and address of receiving party(ies)

Name: Novartis AG

Internal Address: _____

Street Address: Schwarzwaldallee 215City: Basel State: Switzerland ZIP: 4058Additional 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)

09/549,222

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas HoxieInternal Address: Novartis CorporationPatent and Trademark Dept.Street Address: 564 Morris AvenueCity: Summit State: NJ ZIP: 07901-1027

04/06/2001 DRYNE 00000097 190104 09549222

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40.00 CH

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40☐ Enclosed☒ Authorized to be charged to deposit account and any other additional fees required.

8. Deposit account number:

19-0134 (in the name of Novartis Corporation)

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

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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.*John D. ThallemerName of Person Signing
Reg. No. 34,940
SignatureMarch 15, 2001

Date

☒ Certificate of mailing on reverse side

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 011649 FRAME: 0653

ASSIGNMENT

We,

OSKAR MICHAEL KALB residing at Belchenstrasse 9
79539 Loerrach
Germany

STEPHEN JOHN VALAZZA residing at 10 Porsche Drive
Matawan, New Jersey 07747
United States of America

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Novartis AG**, a company organized under the laws of the Swiss Confederation, having a place of business at Schwarzwaldallee 215, Basel, Switzerland 4058, its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for the United States and its territories and possessions in and to the invention entitled:


ORGANIC COMPOUNDS


invented by us and described in the application for United States Letters Patent

Application No. 09/549,222, filed April 13, 2000,

including (1) said application for United States Letters Patent and all continuations and divisions thereof (including further continuations and divisions such as, but not limited to, continuations of continuations and divisions of continuations), (2) all United States Letters Patent which may be issued and/or granted on all such applications, (3) all applications for reissues and extensions of and reexamination certificates for all such United States Letters Patent and (4) all reissues and extensions and reexamination certificates issued for all such United States Letters Patent, the said interest being the entire ownership of said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates to be held and enjoyed by the said Novartis AG and its successors and assigns to the full end of the terms to which said United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made;

And we hereby agree to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of said applications for United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates in said assignee.

Signed this 28 day of June, 2000 by 
OSKAR MICHAEL KALB

Signed this 25th day of May, 2000 by 
STEPHEN JOHN VALAZZA