

12-21-2004

OMB No. 0651-0011 (exp. 4/94)



Case No.: 4-32192A

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

1. Name of conveying party(ies):

(1) Wen-Chung SHIEH
(2) Steven DELL

2. Name and address of receiving party(ies)

Name: Novartis AGAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____Street Address: Lichtstrasse 35City: Basel State: Switzerland ZIP: 4056Execution Date: (1) October 10, 2001 and(2) October 10, 2001Additional 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)

10/459,763

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: NovartisInternal Address: Corporate Intellectual PropertyStreet Address: One Health Plaza, Building 104City: East Hanover State: NJ ZIP: 07936-10806. Total number of applications and patents involved: 17. 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)

(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 W. KungName of Person Signing
Reg. No. 44,199

Signature

Date

☒ Certificate of Express Mail belowTotal number of pages including cover sheet, attachments, and document: 3Mail documents to be recorded with required cover sheet information to:
Director of the US Patent and Trademark Office, PO Box 1450
Alexandria, VA 22313-1450FILING BY "EXPRESS MAIL"
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EV 373401731US

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December 16, 2004

Date of Deposit

PATENT

REEL: 016080 FRAME: 0588

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ASSIGNMENT

We,

WEN-CHUNG SHIEH residing at 295 Timber Drive
Berkeley Heights, New Jersey 07922

STEVEN DELL residing at 3 Locust Street, Apt. 2
Madison, New Jersey 07922,

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:

ACCELERATED PROCESS FOR PREPARING O-METHYL PHENOLS, N-METHYL
HETEROAROMATIC COMPOUNDS, AND METHYLATED AMINOPHENOLS

invented by us and described in the application for United States Letters Patent executed on even date herewith 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 10th day of October, 2001 by Wen-Chung Shieh
WEN-CHUNG SHIEH

Signed this 10th day of October, 2001 by Steven Deel
STEVEN DEEL