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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): Bernard Cuenoud, Robin Alec Fairhurst, Nicholas Lowther

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

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: April 3, 2003, April 10, 2003

Street Address: Lichtstrasse 35 City: Basel State: Switzerland ZIP: 4056 Additional name(s) & address(es) attached? [] Yes [X] 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) 10/433,546

B. Patent No.(s) Additional numbers attached? [] Yes [X] No

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5. Name and address of party to whom correspondence concerning document should be mailed: Name: Novartis Internal Address: Corporate Intellectual Property Street Address: One Health Plaza, Building 430 City: East Hanover State: NJ ZIP: 07936-1080

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40 [] Enclosed [X] 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.

Gregory C. Houghton Name of Person Signing Reg. No. 47,666

Signature of Gregory C. Houghton

8/11/04 Date

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Mail documents to be recorded with required cover sheet information to: Director of the US Patent and Trademark Office, PO Box 1450 Alexandria, VA 22313-1450

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Date of Deposit August 11, 2004

ASSIGNMENT

I / We **Bernard Cuenoud**
Robin Alex Fairhurst
Nicholas Lowther

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, of Lichtstrasse 35, 4056 Basel, Switzerland**, its successors, assigns and legal representatives all my/our right, title and interest, in and for the United States of America, in and to the invention entitled:

MIXTURES OR ORGANIC COMPOUNDS FOR THE TREATMENT OF AIRWAY DISEASES

invented by me/us and described in the international application

No. **PCT/EP01/14122** filed **3rd December 2001**

and all United States Letters Patent which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by the said **Novartis AG**, its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the said **Novartis AG**.

Signed on

X Bernard Cuenoud
Bernard Cuenoud

X 03.04.03

Robin Alec Fairhurst

Nicholas Lowther

ASSIGNMENT

I / We **Bernard Cuenoud**
Robin Alec Fairhurst
Nicholas Lowther

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Signed on

Bernard Cuenoud

Robin Alec Fairhurst

Robin Alec Fairhurst

APRIL 10, 03

Nicholas Lowther

Nicholas Lowther

10 APRIL 2003

US 07/01