

PATENTS ONLY

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

1. Name of conveying party(ies):

SyStemix, Inc.

2. Name and address of receiving party(ies)

Name: Novartis AG

Internal Address: _____

Additional 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: 4058Execution Date: January 24, 2003Additional 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.

B. Patent No.(s)

5,869,623, issued 2/9/99; 5,847,192, issued 12/8/98

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas HoxieInternal Address: NovartisCorporate Intellectual PropertyStreet Address: One Health Plaza, Bldg. 430City: East Hanover State: NJ ZIP: 07936-10806. Total number of applications and patents involved: 27. Total fee (37 CFR 3.41) \$ 80☐ Enclosed☒ Authorized to be charged to deposit account and any other additional fees required.

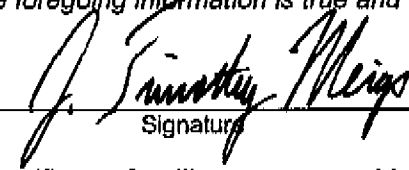
8. Deposit account number:

19-0134 (in the name of Novartis Corporation)

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

DO NOT USE THIS SPACE

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.*J. Timothy MeigsName of Person Signing
Reg. No. 38,241
SignatureJanuary 24, 2003

Date

☐ Certificate of mailing on reverse sideTotal number of pages including cover sheet, attachments, and document: 3Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231**PATENT****REEL: 013380 FRAME: 0568****700023102**

ASSIGNMENT

SyStemix, Inc., a corporation organized under the laws of the State of Delaware, with a principal business address of 9 West Watkins Mill Road, Gaithersburg, Maryland 20878, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, does hereby assign to **NOVARTIS AG**, a corporation organized under the laws of the Swiss Confederation, with a principal business address of Lichtstrasse 35, CH-4056, Basel, Switzerland, (hereinafter Assignee), its successors, assigns and legal representatives, all its right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to it by local laws or by treaty, including any international convention for the protection of Industrial property, in and for all countries of the world, including the United States and its territories and possessions, in and to the invention described in the following:

U.S. Application No. 08/956,204, filed October 22, 1997 and issued as U.S. Patent 5,869,623 on February 9, 1999; and
U.S. Application No. 08/689,341, filed August 5, 1996 and issued as U.S. Patent 5,847,192 on December 8, 1998; and
Australian Application No. 37402-97, issued as Australian Patent AU727144; and
Canadian Application No. 2,262,451, filed July 24, 1997; and
European Application No. 97 934 313.4, filed July 24, 1997; and
Japanese Application No. 10-507992, filed July 24, 1997; and
Russian Application No. 99 104 137, which is the national stage application of PCT/US97/13314

and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications and U.S. applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise, and, and in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

SyStemix, Inc. agrees to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

SYSTEMIX, INC.

Dated: 1.24.03

By David Langham
David Langham
Executive Director of Finance

STATE OF MARYLAND)
) SS:
COUNTY OF MONTGOMERY)

On January 24, 2003, before me, the undersigned, a Notary Public in and for the State of Maryland, personally appeared David Langham personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted executed the instrument.

WITNESS my hand and official seal.

Glenn Russell
Notary Public

My Commission expires: 8/1/2006