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

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

1. Name of conveying party(ies):
 Kathryn Rene BRACKEN, Joseph E. DE LOS ANGELES, Ying HUANG, Michael Joseph KADAN, Gary Michael KSANDER, Dennis Bryan ZERBY

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

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

 Street Address: Schwarzwaldallee 215

 City: Basel State: Switzerland ZIP: 4058

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 7/9/02; 7/9/02; 7/8/02; 7/9/02; 7/16/02; 7/14/02

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)
10/157,899

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 Hoxie
 Internal Address: Novartis Corporation
Patent and Trademark Dept.
 Street Address: 584 Morris Avenue
 City: Summit State: NJ ZIP: 07901-1027

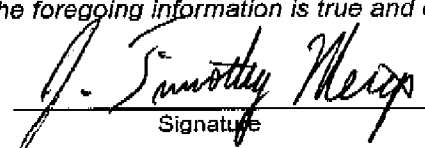
6. Total number of applications and patents involved: 1

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.

J. Timothy Meigs  July 18, 2002
 Name of Person Signing Signature Date
 Reg. No. 38,241

Certificate of mailing on reverse side

Total number of pages including cover sheet, attachments, and document: 11

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

U.S.A.
Case 4-31704AASSIGNMENT

We,

Kathryn Rene Bracken	residing at	720 Fort Washington Avenue Apartment 2D New York, New York 10040
Joseph E. de los Angeles	residing at	23B Burnside Avenue Cranford, New Jersey 07016
Ying Huang	residing at	5030 Tothill Drive Olney, Maryland 20832
Michael Joseph Kadan	residing at	1743 Greenfield Road Adamstown, Maryland 21710
Gary Michael Ksander	residing at	342 Woolf Road Milford, New Jersey 08848
Dennis Bryan Zerby	residing at	2710A Monument Road Myersville, Maryland 21773

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:

**NOVEL ESTROGEN RECEPTOR LIGAND BINDING DOMAIN VARIANTS
AND NOVEL LIGANDS AND PHARMACEUTICAL COMPOSITIONS**

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

Application No. 10/157899, filed May 31, 2002

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

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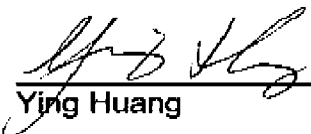
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and reexamination certificates for all such United States Letters Patent and (4) all reissues and extensions and reexamination certificates issued for all such United States Letters Patent, the said interest being the entire ownership of said invention 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 day of , 2002 by _____
Kathryn Rene Bracken

Signed this day of , 2002 by _____
Joseph Ernest de los Angeles

Signed this ^{8 11070502} *Pat* day of *July* , 2002 by  _____
Ying Huang

Signed this day of , 2002 by _____
Michael Joseph Kadan

Signed this day of , 2002 by _____
Gary Michael Ksander

Signed this day of , 2002 by _____
Dennis Bryan Zerby

U.S.A.
Case 4-31704A

ASSIGNMENT

We,

Kathryn Rene Bracken	residing at	KB 720 Fort Washington Avenue KB Cattano Avenue, 501 KB Apartment 2B KB New York, New York 10040 Morristown, NJ 07960
Joseph E. de los Angeles	residing at	23B Burnside Avenue Cranford, New Jersey 07016
Ying Huang	residing at	5030 Tothill Drive Olney, Maryland 20832
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Signed this 9th day of July, 2002 by Kathryn Rene Bracken
Kathryn Rene Bracken

Signed this 9th day of July, 2002 by Joseph Ernest de los Angeles
Joseph Ernest de los Angeles

Signed this _____ day of _____, 2002 by _____
Ying Huang

Signed this _____ day of _____, 2002 by _____
Michael Joseph Kadan

Signed this _____ day of _____, 2002 by _____
Gary Michael Ksander

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Signed this day of , 2002 by _____
Kathryn Rene Bracken

Signed this day of , 2002 by _____
Joseph Ernest de los Angeles

Signed this day of , 2002 by _____
Ying Huang

Signed this day of , 2002 by _____
Michael Joseph Kadan

Signed this 16th day of July , 2002 by 
Gary Michael Ksander

Signed this day of , 2002 by _____
Dennis Bryan Zerby