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U.S. DEPARTMENT OF COMMERCE
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R SHEET

Attorney Docket No.: 056291-5147

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Andrew Peter THOMAS

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: AstraZeneca AB

Internal Address:

Street Address: S-151 85 Sodertalje, Sweden

City:

State:

Zip:

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: July 26, 2003

4. New 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:

10467886

July 26, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: Donald J. Bird

Internal Address: Morgan, Lewis & Bockius LLP
Customer No. 09629

Street Address: 1111 Pennsylvania Avenue, N.W.

City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. §3.41): \$40.00☐ Enclosed☒ Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310

(Attach duplicate page if paying by deposit account)

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.

Donald J. Bird Reg. No. 25,323

Name of Person Signing

Signature

August 13, 2003

Date

Total number of pages including cover sheet, attachments and documents: 2

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PATENT
REEL: 014882 FRAME: 0310

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR (S),

Andrew Peter THOMAS

Hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, AstraZeneca AB, a company created and existing under the laws of Sweden, having its Head Office at S-151 85 Sodertalje, Sweden, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

And which is found in

- (a) ___ U.S. patent application executed on even date herewith;
- (b) ___ U.S. patent application executed on _____;
- (c) ___ U.S. application serial no. Filed on _____
- (d) X International application no. PCT/GB02/00603 filed on 12 February 2002 (12.02.2002)

And any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or reexamination thereof;

ASSIGNOR (S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR (S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

Signed this

24 Day of July, 2003

Andrew Peter Thomas
Andrew Peter THOMAS

WITNESS: [Signature]

WITNESS: Timothy John Dobson

DATE: 24 July 2003

DATE: 24th July 2003