

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
United States Patent and Trademark Office

### RECORDATION FORM COVER SHEET

Our Ref.: LCM-3525-1

### PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
- 1 Astra AB 5
  - 2 Astra Pharmaceuticals Limited 6
  - 3 7
  - 4 8

2. Name and address of receiving party(ies):
- 1) Name: AstraZeneca UK Limited  
Street Address: 15 Stanhope Gate  
City: London  
State/Country: England Zip: W1Y 6LN
  - 2) Name  
Street Address:  
City:  
State: Zip:
- Additional name/s & address/es attached?  Yes  No

Additional name/s of conveying party/ies attached?

3. Nature of conveyance:

Assignment  Merger  
 Security Assignment  Change of Name  
 Other

**Corrective Assignment to remove incorrect Serial No. 09/348,154 (Patent No. 6,185,995) previously recorded on Reel 011705 Frame 0156.**

Execution Date: January 25, 2001

4. Application number(s) or patent number(s):  This assignment is being filed together with a new application.

A. Patent Application No(s).  
(1) 08/348,154  
(2)  
(3)

B. Patent No(s).  
(1) 5,648,370  
(2)  
(3)

Additional numbers attached  Yes  No

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

Name: Leonard C. Mitchard

Internal Address: \_\_\_\_\_

Street Address: Nixon & Vanderhye P.C.  
901 North Glebe Road  
11th Floor

City: Arlington State: VA Zip: 22203

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

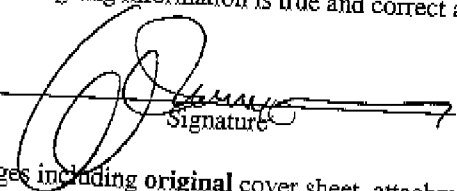
Enclosed  
 Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

DO NOT USE THIS SPACE

9. Statements 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.

Leonard C. Mitchard  
Name of Person Signing  
Reg. No. 29,009

  
Signature

November 13, 2007  
Date

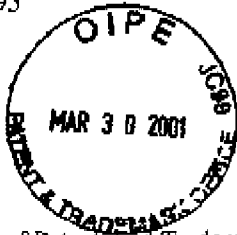
Total number of pages including original cover sheet, attachments, and document: [3]

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

OP \$40.00 08348154

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office



REC 04-06-2001

**COPY**

Our Ref.: 3525-1



101656832

3-30 a

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

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

<p>1. Name of conveying party(ies): Astra AB 151 85 Sodertalje, Sweden</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p> <p>Execution Date: <u>January 25, 2001</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>AstraZeneca UK Limited</u>  Internal Address: _____  Street Address: <u>15 Stanhope Gate</u>  _____  City: <u>London</u>  State/Country: <u>England</u>  Zip: <u>W1Y 6LN</u></p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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: \_\_\_\_\_

<p>A. Patent Application No(s).  (1) <u>08/512,979</u>  (2) <u>09/348,154</u>  (3) <u>08/468,092</u></p>	<p>B. Patent No(s).  (1) _____  (2) _____  (3) _____</p> <p>Additional numbers attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
----------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Leonard C. Mitchard</u>  Internal Address: _____  Street Address: <u>Nixon &amp; Vanderhye P.C.</u>  <u>1100 North Glebe Road</u>  <u>8<sup>th</sup> Floor</u>  City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>3,360.00</u>  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. <u>14-1140</u>.</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DO NOT USE THIS SPACE

9. Statements 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.

Leonard C. Mitchard      [Signature]      March 30, 2001  
Name of Person Signing      Signature      Date  
Reg. No. 29,009

Total number of pages including original cover sheet, attachments, and document: [17]

04/05/2001 BT0N11 00000086 08512979  
01 FC:581 3360.00

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

## RECORDATION FORM COVER SHEET

### PATENTS ONLY

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies): Astra Pharmaceuticals Limited Home Park, Kings Langley Hertfordshire, England WD4 8DH	
2. Name: Street Address: City: State: Zip:	
4. Application number(s) or patent number(s):  A. Patent Application No(s). (4) 08/737,005 (5) 08/776,770 (6) 08/793,713 (7) 08/740,622 (8) 08/793,918 (9) 08/793,706	B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):  
Astra Pharmaceuticals Limited  
Home Park, Kings Langley  
Hertfordshire, England WD4 8DH

2. Name:  
Street Address:  
City:  
State:  
Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(4) 08/737,005  
(5) 08/776,770  
(6) 08/793,713  
(7) 08/740,622  
(8) 08/793,918  
(9) 08/793,706

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):	
2. Name: Street Address: City: State: Zip:	
4. Application number(s) or patent number(s):	
A. Patent Application No(s). (10)08/860,899 (11)08/894,448 (12)08/011,816 (13)08/666,120 (14)08/913,060 (15)08/918,670	B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):	
2. Name: Street Address: City: State: Zip:	
4. Application number(s) or patent number(s):	
A. Patent Application No(s). (16)09/011,777 (17)09/011,992 (18)09/011,780 (19)09/029,831 (20)09/068,520 (21)09/068,522	B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(22)09/068,521

(23)09/068,076

(24)09/068,304

(25)09/068,469

(26)09/101,165

(27)29/086,985

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(28)09/117,229

(29)09/091,187

(30)09/117,426

(31)09/125,174

(32)09/155,612

(33)09/125,165

B. Patent No(s).



Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(34)09/125,899

(35)09/155,023

(36)09/155,562

(37)09/155,567

(38)09/155,091

(39)09/180,134

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(40)09/145,281

(41)09/146,046

(42)09/146,047

(43)09/146,048

(44)09/171,801

(45)09/230,544

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):	
2. Name: Street Address: City: State: Zip:	
4. Application number(s) or patent number(s):	
A. Patent Application No(s). (46)09/214,757 (47)09/202,140 (48)09/201,724 (49)09/214,755 (50)09/230,464 (51)09/230,478	B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(52)09/230,511

(53)09/254,622

(54)PCT/SE99/00154

(55)09/297,375

(56)09/331,904

(57)09/331,870

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(58) PCT/SE99/00650

(59) 09/355,026

(60) 09/355,105

(61) 09/380,988

(62) 09/341,989

(63) 09/380,379

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(64)09/380,294

(65)PCT/SE99/01277

(66)09/403,392

(67)09/402,837

(68)09/403,419

(69)PCT/SE99/01600

(70)PCT/SE99/01630

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(71)09/403,937

(72)PCT/SE99/01632

(73)09/424,336

(74)09/424,334

(75)09/424,335

(76)29/111,474

B. Patent No(s).

Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):

2. Name:

Street Address:

City:

State:

Zip:

4. Application number(s) or patent number(s):

A. Patent Application No(s).

(77)09/410,042

(78)09/410,066

(79)09/410,067

(80)09/410,068

(81)09/410,069

(82)09/411,162

B. Patent No(s).



Form PTO-1595  
1-31-92

U.S. Department of Commerce  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET****PATENTS ONLY**

Our Ref.: 3525-1

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

1. Name of conveying party(ies):	
2. Name: Street Address: City: State: Zip:	
4. Application number(s) or patent number(s):	
A. Patent Application No(s). (83)09/424,332 (84 09/426,129	B. Patent No(s).

3525-1

**ASSIGNMENT**

WHEREAS, Astra AB and Astra Pharmaceuticals Limited (hereinafter collectively ASSIGNOR), a corporation duly organized and existing under the laws of Sweden and doing business at 151 85 Sodertalje, Sweden, and a corporation duly organized and existing under the laws of England and doing business at Home Park, Kings Langley, Hertfordshire, England WD4 8DH, respectively, has been assigned all right, title and interest in the U.S. patents, U.S. patent applications and PCT International applications listed in the attached Schedule A;

AND WHEREAS, AstraZeneca UK Limited (hereinafter ASSIGNEE), a corporation duly organized and existing under the laws of England and doing business at 15 Stanhope Gate, London, England W1Y 6LN, is desirous of acquiring all right, title and interest in the U.S. patents, U.S. patent applications and PCT International Applications listed in the attached Schedule A.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said U.S. patents, U.S. patent applications and PCT International Applications listed in the attached Schedule A. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patents on the U.S. patent applications listed in

Schedule A to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

And, ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the U.S. patents, U.S. patent applications and PCT International Applications listed in the attached Schedule A hereby transferred and for maintaining any resulting patents.

I am authorized to execute this ASSIGNMENT on behalf of ASSIGNOR.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2001, *2008*

**ASTRA AB and ASTRA  
PHARMACEUTICALS LIMITED**

By: *[Signature]*  
David E. Giles

Director of IP Services, and authorized to sign  
*[Signature]* on behalf of ASSIGNOR

Attachment: Schedule A

ASSIGNMENT

3525-1

WHEREAS, Astra AB and Astra Pharmaceuticals Limited (hereinafter collectively ASSIGNOR), a corporation duly organized and existing under the laws of Sweden and doing business at 151 85 Sodertalje, Sweden, and a corporation duly organized and existing under the laws of England and doing business at Home Park, Kings Langley, Hertfordshire, England WD4 8DH, respectively, has been assigned all right, title and interest in the U.S. patents, U.S. patent applications and PCT International applications listed in the attached Schedule A;

AND WHEREAS, AstraZeneca UK Limited (hereinafter ASSIGNEE), a corporation duly organized and existing under the laws of England and doing business at 15 Stanhope Gate, London, England W1Y 6LN, is desirous of acquiring all right, title and interest in the U.S. patents, U.S. patent applications and PCT International Applications listed in the attached Schedule A.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said U.S. patents, U.S. patent applications and PCT International Applications listed in the attached Schedule A. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patents on the U.S. patent applications listed in

Schedule A to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

And, ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the U.S. patents, U.S. patent applications and PCT International Applications listed in the attached Schedule A hereby transferred and for maintaining any resulting patents.

I am authorized to execute this ASSIGNMENT on behalf of ASSIGNOR.

Executed this \_\_\_\_\_ day of \_\_\_\_\_ 25 JAN 2001, 2000.

**ASTRA AB and ASTRA  
PHARMACEUTICALS LIMITED**

By: David E. Giles

Director IP Services, and authorized to sign  
on behalf of ASSIGNOR

Attachment: Schedule A