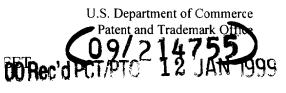


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05-06-1999



Our Ref.: 2257-165



Commissioner of Patents and Trademarks

101031264 Box Assignment, Washington, D.C. 20231 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): John Bantick Name: Astra Pharmaceuticals Ltd. Martin Cooper Internal Address: Philip Thorne Street Address: Home Park Matthew Perry Kings Langley Additional name/s of conveying party/ies attached? 3. Nature of conveyance: City: Herts State/Country: England Zip: WD4 8DH ☐ Security Assignment ☐ Change of Name ☐ Other December 21, 1998; December 18, **Execution Date:** Additional name/s & address/es attached? ☐ Yes ☒ No 1998; December 18, 1998 and December 18, 1998, respectively. 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). B. Patent No(s). (1) Unassigned (1) (2) (2) (3) (3)Additional numbers attached ☐ Yes ☒ No 5. Name and address of party to whom correspondence 6. Total number of applications & patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41) 40.00 Leonard C. Mitchard ⊠ Enclosed Name: Authorized to be charged to deposit account #14-1140 Internal Address: 8. The Commissioner is hereby authorized to charge any Street Address: Nixon & Vanderhye P.C deficiency in the fee(s) filed, or asserted to be filed, or which 1100 North Glebe Road should have been filed herewith (or with any paper thereafter 8th Floor filed in this application by this firm) to our Account No. 22201 14-1140. City: Arlington State: 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 Total number of pages including original cover sheet, attachments, and document:

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**PATENT** REEL: 9924 FRAME: 0837

## ASSIGNMENT OF PATENT APPLICATION

(John Bantick of Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH, UK (Martin Cooper of Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH, UK

(Inventors) (Philip Thorne of Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH, UK

(Matthew Perry of Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH, UK

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign,

transfer and set over to

(Assignee) (Astra Pharmaceuticals Ltd,

(Address) (of Home Park, Kings Langley, Herts. WD4 8DH, United Kingdom

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its

territories, dependencies and possessions, and for the country of

(Other ( in the invention, and all application for patent and any countries) Letters Patent which may be granted therefore, known as

(Title) (NOVEL COMPOUNDS (Assingee's Case No. F 1855-1P US., filed as PCT/SE98/02191 on

1 December 1998 and designating the US)

for which the undersigned has (have) executed on even date herewith an application for patent in

the United States of America or, if not on even date, then has executed

(on or has already filed in (U.S. appln. Serial No. , filed on

(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

PATENT REEL: 9924 FRAME: 0838

In with	ess whereof, e	executed by the undersigned on	the date(s) opposite the unders	signed signature(s)
Date:	21.12.199	Signature of Inventor:	John Bantick	yent.
Date:	18.12.199	Signature of Inventor:	_ Martin lexen	DEN-
Date:	18.12.199	8 Signature of Inventor:	Martin Cooper	
Date:	18.12.199	8 Signature of Inventor:	Philip Thorne  Matthew Perry	
Witness	sed by:	A-N.M.	Date	18.12.1998
Witnessed by:		Mille	Date	21.12.1998

**RECORDED: 01/12/1999** 

PATENT REEL: 9924 FRAME: 0839