

12-17-2002

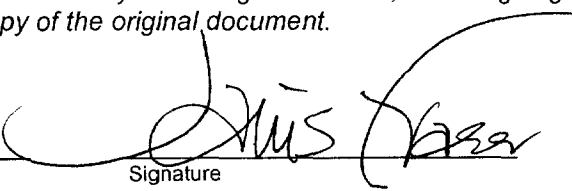
Substitute Form PTO-1595
Attorney Docket No.: 06275-033001
Client's Ref. No.: A 1357-1 US

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Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): ASTRA AKTIEBOLAG S-151 85 Södertälje SWEDEN Additional name(s) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies): AstraZeneca AB S-151 85 Södertälje Sweden 12-11-02 Additional names/addresses attached? ☐ Yes ☒ No
3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☒ Other: Certificate of Registration Execution Date: February 15, 2000	4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 08/624,504 B. Patent No(s): Additional numbers attached? ☐ Yes ☒ No
5. Name/address of party to whom correspondence concerning document should be mailed: JANIS K. FRASER, PH.D., J.D. Fish & Richardson P.C. 225 Franklin Street Boston, Massachusetts 02110-2804	6. Total number of applications/patents involved 7. Total fee (37 CFR §3.41): \$40 ☒ Enclosed ☐ Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i> Janis K. Fraser, Ph.D., J.D. Reg. No. 34,819 Name of Person Signing  Signature Date Dec. 6, 2002	
Total number of pages including coversheet, attachments and document: 5	

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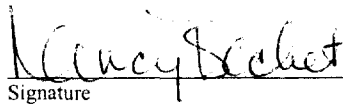
12/16/2002 LMUELLER 00000219 08624504

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

12/16/02
Date of Deposit
SignatureNancy Bechert
Typed Name of Person Signing CertificatePATENT
REEL: 013567 FRAME: 0491

CERTIFICATE OF REGISTRATION

SWEDEN

Registration number: 556011-7482
 Date of registration: 1913-10-31
 Company name: AstraZeneca AB
 Address:
 Registered office: 151 85 SÖDERTÄLJE
 Södertälje
 Share capital: SEK 2.054.029.452,50
 Note: FUSION IN PROGRESS



BOARD OF DIRECTORS:

440802-3556 Björnsson, Björn Einar, (A), Bäckahästvägen 3,
 240 13 GENARP
 420527-5938 From, Per Anders Gideon, Drottningholmsvägen 1 6tr.,
 112 42 STOCKHOLM
 500523-4330 Lerenius, Per Göran, (E), Pettersbergsvägen 66,
 129 40 HÄGERSTEN
 430319 McKillop, Thomas Fulton Wilson, (E), (O), Flat 3,
 15 Stanhope Gate, LONDON W1Y 6LN, STORBRITANNIEN OCH NORDIRLAND
 590228 Symonds, Jonathan, (E), 16 Moor Lane, Rickmansworth,
 Herfordshire, WD3 1LG, STORBRITANNIEN OCH NORDIRLAND
 591026-0024 Sörensen, Pia Carina, (A), Skämbylöttsvägen 6,
 640 60 ÅKERS STYCKEBRUK
 560902-0093 Wallenberg, Marcus, Vidbynäs Gård 33, 148 91 ÖSMO
 390324-5714 Wilhelmsson, Claes-Erik, Strandvägen 63,
 115 23 STOCKHOLM

DEPUTY MEMBERS OF THE BOARD:

690810-6690 Johansson, Stig-Ove Michael, Ekhöjden Taxinge-Näsby,
 155 93 NYKVARN
 580928-3335 Lundblad, Karl Alf Lennart, Envigsgränden 1,
 224 75 LUND

MANAGING DIRECTOR:

420527-5938 From, Per Anders Gideon, Drottningholmsvägen 1 6tr.,
 112 42 STOCKHOLM

OTHER PERSONS AUTHORIZED TO SIGN ON BEHALF OF THE COMPANY:

520121-1751 Johansson, John Roland, Pilvägen 8, 610 60 TYSTBERGA
 561115-2710 Johansson, Per Olof Kjell, Bränningstrandsvägen 72,
 151 39 SÖDERTÄLJE
 580712-5116 Linde, Carl Fredrik Johannes, Auravägen 24,
 182 68 DJURSHOLM
 580111-2086 Ljungqvist, Margit Inga Susanne, Solhemsvägen 13A,
 141 31 HUDDINGE

True copy certified by:

CONTD.

CERTIFICATE OF REGISTRATION

SWEDEN

Registration number: 556011-7482

Date of registration: 1913-10-31

Company name: AstraZeneca AB

Address:

Registered office: 151 85 SÖDERTÄLJE
Södertälje

Share capital: SEK 2.054.029.452,50
Note: FUSION IN PROGRESS

470520-1939 Sveréus, Björn Gustaf, Hedåvägen 9, 152 51 SÖDERTÄLJE

COMPANY AUDITORS:
430319-0658 Magnusson, Bo Vilhelm, Karpvägen 36, 181 30 LIDINGÖ

COMPANY AUDITOR:
556479-9103 Deloitte & Touche Stockholm Aktiebolag
Box 101 52, 121 26 STOCKHOLM-GLOBEN
Principally responsible auditor: 430319-0658 Magnusson, Bo Vilhelm
Karpvägen 36, 181 30 LIDINGÖ

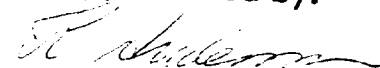
SIGNATORY POWER:
In addition to the Board of Directors,
Lerenius, Per Göran
McKillop, Thomas Fulton Wilson
From, Per Anders Gideon
Linde, Carl Fredrik Johannes
individually,
or
any two jointly of
Wilhelmsson, Claes-Erik
Johansson, John Roland
Johansson, Per Olof Kjell
Ljungqvist, Margit Inga Susanne
Sveréus, Björn Gustaf
are entitled to sign on behalf of the company.

SECONDARY NAMES:
Astra

FINANCIAL YEAR:
Registered financial year: 0101-1231
Latest annual report submitted covers financial
period 980101-981231

True copy certified by:

CONTD.



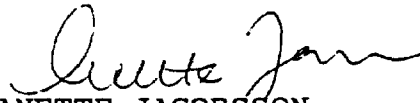
CERTIFICATE OF REGISTRATION

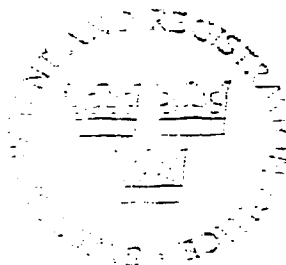
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Södertälje
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DATE OF REGISTRATION OF CURRENT AND PREVIOUS COMPANY NAMES:
2000-01-03 AstraZeneca AB
1994-06-20 Astra Aktiebolag
1966-05-12 Aktiebolaget Astra
1913-10-31 Aktiebolaget Astra, Apotekarnas Kemiska Fabriker

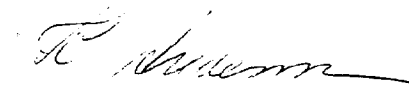
SUNDSVALL 2000-02-15
Ex officio


ANETTE JACOBSSON



- (A) = employee representative
- (U) = person resident outside EEA
- (E) = person resident outside Sweden but within EEA
- (O) = Chairman of the Board

True copy certified by:



The enclosed Certificate of Registration has been issued for

AstraZeneca Aktiebolag

registration number: **556011-7482**

which is registered as "PUBLIKT", generally written (publ), in the Companies Register kept by this office, the Companies Department of the Patent and Registration Office, Sweden.

A Swedish company classed as "PUBLIKT" is entitled to invite the general public to subscribe for or acquire shares and other securities which the company issues.

The share capital for a company classed as "PUBLIKT" must amount to a minimum of SEK 500 000.

Sundsvall, 15th February, 2000