FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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Address (line 1) Patent Department  Address (line 2) 1155 Avenue of the Americas  Address (line 3) New York  Address (line 4) New York 10036 USA  Pages Enter the total number of pages of the attached conveyance document including any attachments.  Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter of the Patent Application Number (DO NOT ENTER BOTH numbers for the same property).  Patent Application Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property).  Patent Application Number(s) 5,714,504 5,693,818 5,877,192  If this document is being filed together with a new Patent Application, enter the date the patent application was Month Day Year signed by the first named executing inventor.  Patent Cooperation Treaty (PCT)  Enter PCT application number only if a U.S. Application Number PCT	Correspondent Name and Address Area Code and Telephone Number 212-819-8200				
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John M. Genova - 32,224 ftm / rowr Sept. 18, 2000  Name of Person Signing Signature Date					



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



# CERTIFICATE OF REGISTRATION

### **SWEDEN**

Registration number: 556011-7482

Date of registration: 1913-10-31

Company name:

AstraZeneca AB

Address:

151 85 SÖDERTÄLJE

Registered office: Södertälje

Share capital:

SEK 2.054.029.452,50 FUSION IN PROGRESS Note:



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 WIY 6LN, STORBRITANNIEN OCH NORDIRLAND

590228 Symonds, Jonathan, (E), 16 Moor Lane, Rickmansworth, Herfordshire, WD3 lLG, STORBRITANNIEN OCH NORDIRLAND

591026-0024 Sörensen, Pia Carina, (A), Skämbylötsvägen 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, Marqit Inga Susanne, Solhemsvägen 13A,

141 31 HUDDINGE

CONTD.



# CERTIFICATE OF REGISTRATION

## **SWEDEN**

Registration number: 556011-7482

Date of registration: 1913-10-31

Company name: AstraZeneca AB

Address:

151 85 SÖDERTÄLJE

Registered office: 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 Principaly 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,

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.



## SWEDEN

Registration number: 556011-7482

Date of registration: 1913-10-31

Company name: AstraZeneca AB

Address:

151 85 SÖDERTÄLJE

Registered office: Södertälje

Share capital: SEK 2.054.029.452,50

FUSION IN PROGRESS Note:

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

(0) = Chairman of the Board

True copy certified by:

**PATENT REEL: 11219 FRAME: 0754** 

RECORDED: 09/25/2000