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12-11-2000

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Client's Ref. No.: D 1272-3



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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 Additional name(s) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies): AstraZeneca AB S-151 85 Södertälje Sweden <i>11-16-00</i> Additional names/addresses attached? ☐ Yes ☒ No
3. Nature of conveyance: Certificate of Registration Execution Date: January 13, 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): 09/158,554 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 Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 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>	
John T. Li Reg. No. 44,210 Name of Person Signing	Signature <i>John T. Li</i> Date <i>11-13-00</i>
Total number of pages including coversheet, attachments and document: 6	

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November 13, 2000
Date of Deposit

Jeanine Mocherka
Signature

Jeanine Mocherka
Typed Name of Person Signing Certificate

PATENT
REEL: 011309 FRAME: 0389

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



BOARD OF DIRECTORS:

440802-3556 Björnsson, Björn Einar, (A), Bäckahästvägen 3,
240 13 GENARP
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
450127-8057 Stavling, Åke Bo Tage, (E), Högbergsgatan 11,
116 20 STOCKHOLM
590228 Symonds, Jonathan, (E), 16 Moor Lane, Rickmansworth,
Hertfordshire, WD3 1LG, 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, Margit Inga Susanne, Solhemsvägen 13A,
141 31 HUDDINGE

CONTD.



PATENT- OCH REGISTRERINGSVERKET
Bolagsavdelningen

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

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 the 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

CONTD.

PRVPATENT- OCH REGISTRERINGSVERKET
Bolagsavdelningen

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

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 2000-01-13
Ex officio


MALIN SELLEN



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

I, **JOHN BICKMORE HODGSON** of Wilmslow Cheshire
England Notary Public duly authorised admitted and sworn and
practising within the United Kingdom of Great Britain and
Northern Ireland do hereby certify that the photostat matter
hereto annexed and on which I have impressed my notarial seal is
a true copy of a document the original of which was produced to
me at

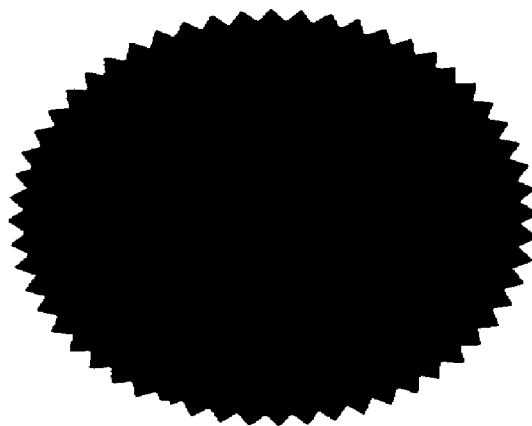
Macclesfield Cheshire England

this *10th* day of *August*

2000

JB Hodgson

.....
John Bickmore Hodgson
Notary Public



Certificate

The enclosed Certificate of Registration has been issued for

AstraZeneca AB
registration number: 556011-7482

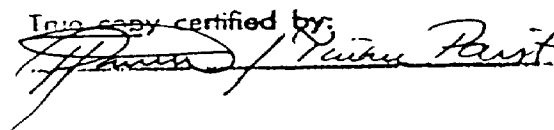
which is registered as "PUBLIKT", generally written (publ), in the Companies Register kept by this office, the Companies Department of the Patent and Registration Office, Sweden.

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, 13th January, 2000

True copy certified by:



Bolagsavdelningen

851 81 Sundsvall

Besöksadress
Badhusparken

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