

In The Name of Allah



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pooriagill@yahoo.com

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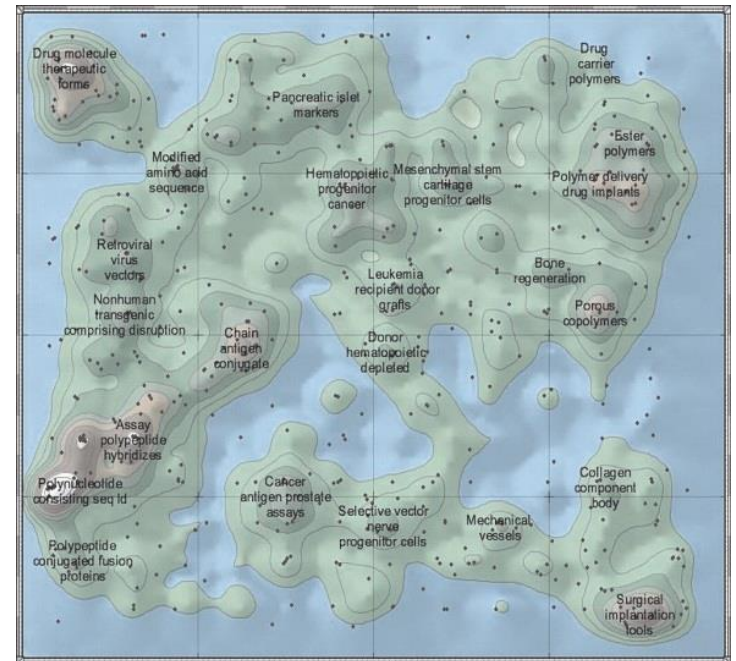
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- Potential Partners for Licensing In/ Licensing Out
- Working Around
- Patent Family



Patent Search

- Patentability Search
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- Patent Landscape Search
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Types Of Patent Search

- Number Searching
- Name Searching
- Subject Searching
- Legal Status Searching
- IPC Classification based Searching

Number Searching

- Patent / Patent Application Number and
- **Country of Issue**
- Common Format - **Country Code** followed by a seven or eight digit number
 - Eg. **GB**2013456, **WO**0213591, **DE**19944652

Number Searching

Cont....

Document Kind Code - Number followed by a letter

(A, B, T, etc.)

- **Indicates the Publication Stage**
- Generally
 - ‘A’ first stage of publication (eg US 2002-0002180 A1) &
 - ‘B’ Granted Patent (eg US 6,432,966 B)
- **WIPO**
 - A1- Application & Search Report (eg WO/2006/114709A1)
 - A2 - Only Application (eg WO/2003/020206A2)
 - A3 - Only Search Report (eg WO/2003/020206A3)
 - A4 - Search report by the EPO added to Search report done by the PCT

Name Searching

- Inventor(s)
 - Smita Govekar , Nandini Khedekar, etc.
- Company and Organization
 - Cipla, IPCA, Strides, Pfizer, etc.

Subject Searching

- **Key words**

- Titles
- Abstract
- Claims, etc.

- **Classification codes:**

- The International Patent Classification
- Other classification schemes
 - ECLA (The European Classification)
 - US classification
 - British classification

Subject Searching

Cont....

- **The International Patent Classification**

The IPC divides patentable technology into 8 key areas:

Section A: Human Necessities

Section B: Performing Operations,
Transporting

Section C: Chemistry, Metallurgy

Section D: Textiles, Paper


Section E: Fixed Constructions

Section F: Mechanical Engineering,
Lighting, Heating, Weapons










Section G: Physics

Section H: Electricity

International Patent Classification (WIPO) Cont....

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IPC 7 English version SECTIONS

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[A 01](#) AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING

FOODSTUFFS; TOBACCO

[A 21](#) BAKING; EDIBLE DOUGHS

[A 22](#) BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH

[A 23](#) FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES

[A 24](#) TOBACCO; CIGARS; CIGARETTES; SMOKERS' REQUISITES

PERSONAL OR DOMESTIC ARTICLES

[A 41](#) WEARING APPAREL

[A 42](#) HEADWEAR

[A 43](#) FOOTWEAR

[A 44](#) HABERDASHERY; JEWELLERY

[A 45](#) HAND OR TRAVELLING ARTICLES

[A 46](#) BRUSHWARE

[A 47](#) FURNITURE (arrangements of seats for, or adaptation of seats to, vehicles [B60N](#)); DOMESTIC ARTICLES OR APPLIANCES; COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL (ladders [E06C](#))

HEALTH; AMUSEMENT

[A 61](#) MEDICAL OR VETERINARY SCIENCE; HYGIENE ←

[A 62](#) LIFE-SAVING; FIRE-FIGHTING (ladders [E06C](#))

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International Patent Classification (EPO)

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Next page: [A01](#)

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BAKING; EDIBLE DOUGHS	A21 <input type="checkbox"/>
BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH	A22 <input type="checkbox"/>
FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES	A23 <input type="checkbox"/>
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BRUSHWARE	A46 <input type="checkbox"/>
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(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 March 2003 (13.03.2003)

PCT

(10) International Publication Number
WO 03/020206 A3

(51) International Patent Classification?: **A61K 31/7072**,
31/551

(21) International Application Number: PCT/US02/26675

(22) International Filing Date: 21 August 2002 (21.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/316,745 31 August 2001 (31.08.2001) US

(71) Applicant: **BRISTOL-MYERS SQUIBB COMPANY**
[US/US]; P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(72) Inventor: **BECHTOLD, Clifford, M.**; 17 Streamview
Circle, Guilford, CT 06437 (US).

(74) Agent: **MORSE, David, M.**; Bristol-Myers Squibb Com-
pany, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
2 October 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 03/020206 A3

(54) Title: USE OF ATAZANAVIR IN HIV THERAPY

(57) Abstract: A method for reducing elevated plasma LDL and/or triglyceride levels in an HIV-infected patient is disclosed. In this method, atazanavir (BMS-232632) can be used to treat HIV infection in patients exhibiting elevated plasma LDL-cholesterol and/or triglyceride levels, can be substituted for an offending HIV protease inhibitor used in such therapy, or can be used in combination with an HIV protease inhibitor metabolized by cytochrome P450 monooxygenase.

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AND	Inventor Name	Is Empty:	<input checked="" type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No	

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USPTO



United States Patent and Trademark Office
An Agency of the Department of Commerce

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Keyword(s) in title or abstract: **i** hair

Publication number: **i** WO2008014520

Application number: **i** DE19971031696

Priority number: **i** WO1995US15925

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Drug questions email: druginfo@fda.hhs.gov

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Food and Drug Administration
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atazanavir

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Atazanavir, marketed under the trade name Reyataz by Bristol Myers, (formerly known as BMS-232632) is an antiretroviral drug of the protease inhibitor (PI) ...

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www.rxlist.com/reyataz-drug.htm - [Cached](#) - [Similar](#)

[atazanavir - HIV: Health and Medical Information About HIV and ...](#)

DRUG CLASS AND MECHANISM: **Atazanavir** is an oral medication that is used for treating infections caused by the human immunodeficiency virus (HIV). ...

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[Reyataz \(Atazanavir\)](#)

The US Food and Drug Administration (FDA) approved **atazanavir** on June 20, 2003 for the treatment of HIV-1 infection in combination with other antiretroviral ...

www.hivandhepatitis.com/hiv_and_aids/atazanavir_1.html - [Cached](#) - [Similar](#)

[Atazanavir \(Reyataz\) | aidsinfonet.org | The AIDS InfoNet](#)

Atazanavir, also called Reyataz, is a drug used as part of antiretroviral therapy (ART). **Atazanavir** is a protease inhibitor manufactured by Bristol-Myers ...

www.aidsinfonet.org/fact_sheets/view/447 - [Cached](#) - [Similar](#)

[Atazanavir: MedlinePlus Drug Information](#)

1 Jan 2009 ... Features information about dosage, usage, warnings, and side effects.

www.nlm.nih.gov/medlineplus/druginfo/meds/a603019.html - [Cached](#) - [Similar](#)

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Active Ingredient Search Results from "OB_Rx" table for query on "atazanavir."

Appl No	TE Code	RLD	Active Ingredient	Dosage Form; Route	Strength	Proprietary Applicant Name
021567		No	ATAZANAVIR SULFATE	CAPSULE; ORAL	EQ 100MG BASE REYATAZ	BRISTOL MYERS SQUIBB
021567		No	ATAZANAVIR SULFATE	CAPSULE; ORAL	EQ 150MG BASE REYATAZ	BRISTOL MYERS SQUIBB
021567		No	ATAZANAVIR SULFATE	CAPSULE; ORAL	EQ 200MG BASE REYATAZ	BRISTOL MYERS SQUIBB
021567		Yes	ATAZANAVIR SULFATE	CAPSULE; ORAL	EQ 300MG BASE REYATAZ	BRISTOL MYERS SQUIBB

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FDA/Center for Drug Evaluation and Research

Office of Generic Drugs

Division of Labeling and Program Support

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Generic Drug Product Information & Patent Information - **Daily**

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Search results from the "OB_Rx" table for query on "021567."

Active Ingredient:	ATAZANAVIR SULFATE
Dosage Form;Route:	CAPSULE; ORAL
Proprietary Name:	REYATAZ
Applicant:	BRISTOL MYERS SQUIBB
Strength:	EQ 100MG BASE
Application Number:	021567
Product Number:	001
Approval Date:	Jun 20, 2003
Reference Listed Drug	No
RX/OTC/DISCN:	RX
TE Code:	
Patent and Exclusivity Info for this product:	View



Active Ingredient:	ATAZANAVIR SULFATE
Dosage Form;Route:	CAPSULE; ORAL
Proprietary Name:	REYATAZ
Applicant:	BRISTOL MYERS SQUIBB
Strength:	EQ 150MG BASE
Application Number:	021567
Product Number:	002
Approval Date:	Jun 20, 2003
Reference Listed Drug	No
RX/OTC/DISCN:	RX
TE Code:	

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Patent and Exclusivity Search Results from query on Appl No 021567 Product 004 in the OB_Rx list.

Patent Data

Appl No	Prod No	Patent No	Patent Expiration	Drug Substance Claim	Drug Product Claim	Patent Use Code	Delist Requested
N021567	004	5849911	Jun 20, 2017	Y	Y	U - 167	
N021567	004	6087383	Dec 21, 2018	Y	Y		

Exclusivity Data

Appl No	Prod No	Exclusivity Code	Exclusivity Expiration
N021567	004	D - 116	Sep 30, 2011
N021567	004	D - 130	Feb 4, 2014

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Keyword(s) in title: **i** plastic and bicycle

Keyword(s) in title or abstract: **i** hair
ATAZANAVIR

Publication number: **i** WO2008014520

Application number: **i** DE19971031696

Priority number: **i** WO1995US15925

Publication date: **i** yyyyymmdd

Applicant(s): **i** Institut Pasteur

Inventor(s): **i** Smith

European Classification (ECLA): **i** F03G7/10

International Patent Classification (IPC): **i** H03M1/12

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1. **ATAZANAVIR** FORMULATIONS

	Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
	CHOUDHURY ANUP AVIJIT [IN] JAISWAL ASHISH [IN] (+2)		A61K31/4402 A61K9/20H2 (+3)	A61K33/00 B29B9/10	US2012121722 (A1) 2012-05-17	2008-12-18

2. DRY PROCESSING OF **ATAZANAVIR**

	Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
	MEERGANS DOMINIQUE [DE] STEFAN RALPH [DE]	RATIOPHARM GMBH [DE] MEERGANS DOMINIQUE [DE] (+1)		A61K31/4402 A61K9/16 A61K9/20	WO2012041488 (A1) 2012-04-05	2010-09-28

3. NOVEL POLYMORPH OF **ATAZANAVIR** SULFATE

	Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
	PARTHASARADHI REDDY BANDI [IN] RATHNAKAR REDDY KURA [IN] (+3)	HETERO RESEARCH FOUNDATION [IN]	C07D213/42	A61K31/4418 C07D213/56	US2012015987 (A1) 2012-01-19	2009-01-12

4. **ATAZANAVIR** FORMULATIONS

	Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
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US2012121722 (A1)

Bibliographic data

Description

Claims

Mosaics

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INPADOC legal status

INPADOC patent family

Bibliographic data: US2012121722 (A1) — 2012-05-17

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ATAZANAVIR FORMULATIONS

Page bookmark [US2012121722 \(A1\) - ATAZANAVIR FORMULATIONS](#)

Inventor(s): CHOUDHURY ANUP AVIJIT [IN]; JAISWAL ASHISH [IN]; RAFI KHALID [IN]; RAGHUVANSHI RAJEEV [IN] ±

Applicant(s):

Classification: - international: [A61K33/00](#); [B29B9/10](#)

- European: [A61K31/4402](#); [A61K9/20H2](#); [A61K9/20H4B](#); [A61K9/20H6B](#); [A61K9/20K2](#)

Application number: US200913140154 20091217

Priority number(s): IN2008DE02894 20081218; WO2009IB55830 20091217

Also published as: [WO2010070611 \(A1\)](#)

Abstract of US2012121722 (A1)

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German

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The present invention relates to formulations comprising atazanavir and a silicate, and the process of preparation thereof, wherein the silicate is present in the extragranular portion.

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3 application(s) for: US2012121722 (A1)

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1. ATAZANAVIR FORMULATIONS

★ Inventor: CHOUDHURY ANUP AVIJIT [IN] RAFI KHALID [IN] (+1)	Applicant: RANBAXY LAB LTD [IN] JAISWAL ASHISH [IN]	EC: A61K31/4402 A61K9/20H2 (+3)	IPC: A61K31/4402 A61K9/20	Publication info: EP2391350 (A1) 2011-12-07	Priority date: 2008-12-18
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2. ATAZANAVIR FORMULATIONS

★ Inventor: CHOUDHURY ANUP AVIJIT [IN] JAISWAL ASHISH [IN] (+2)	Applicant:	EC: A61K31/4402 A61K9/20H2 (+3)	IPC: A61K33/00 B29B9/10	Publication info: US2012121722 (A1) 2012-05-17	Priority date: 2008-12-18
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3. ATAZANAVIR FORMULATIONS

★ Inventor: CHOUDHURY ANUP AVIJIT [IN] RAFI KHALID [IN] (+1)	Applicant: RANBAXY LAB LTD [IN] CHOUDHURY ANUP AVIJIT [IN] (+2)	EC: A61K31/4402 A61K9/20H2 (+3)	IPC: A61K31/4402 A61K9/20	Publication info: WO2010070611 (A1) 2010-06-24	Priority date: 2008-12-18
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Results of searching in PCT for:
(CL/atazanavir): 178 records
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Title	Pub. Date	Int. Class	App. Num	Applicant
1. (WO 2010/107831) NANOCARRIER COMPOSITIONS AND METHODS	23.09.2010	A61K 47/42	PCT/US2010/027532	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

This invention provides multimeric nanocarrier for in vivo delivery of a bioactive agent, comprising at least two peptide monomers reversibly or irreversibly linked with one or more of said bioactive agents, wherein said two or more of said peptide monomers are covalently linked by a biodegradable difunctional moiety, as well as methods of using this nanocarrier.

2. (WO 2010/079497) NOVEL POLYMORPH OF ATAZANAVIR SULFATE	15.07.2010	C07D 213/56	PCT/IN2009/000034	HETERO RESEARCH FOUNDATION
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(WO/2010/107831) NANOCARRIER COMPOSITIONS AND METHODS

Biblio. Data

Description

Claims

National Phase

Notices

Documents

Latest bibliographic data on file with the International Bureau



Pub. No.: WO/2010/107831 **International Application No.:** PCT/US2010/027532
Publication Date: 23.09.2010 **International Filing Date:** 16.03.2010

IPC: *A61K 47/42* (2006.01)

Applicants: RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY [US/US]; Old Queens, Somerset Street New Brunswick, NJ 08903 (US) (*All Except US*).
SINKO, Patrick, J. [US/US]; (US) (*US Only*).
STEIN, Stanley [US/US]; (US) (*US Only*).
GUNASEELAN, Simi [IN/US]; (US) (*US Only*).
POOYAN, Shahriar [US/US]; (US) (*US Only*).
PALOMBO, Matthew, Sean [US/US]; (US) (*US Only*).
ZHANG, Xiaoping [US/US]; (US) (*US Only*).

Inventors: SINKO, Patrick, J.; (US).
STEIN, Stanley; (US).
GUNASEELAN, Simi; (US).
POOYAN, Shahriar; (US).
PALOMBO, Matthew, Sean; (US).
ZHANG, Xiaoping; (US).

Agent: BUTCH, Peter, J, III.; Fox Rothschild LLP 997 Lenox Drive, Bldg. #3 Lawrenceville, NJ 08648 (US) .

Priority Data: 61/160,575 16.03.2009 US

Title: NANOCARRIER COMPOSITIONS AND METHODS

Abstract: This invention provides multimeric nanocarrier for in vivo delivery of a bioactive agent, comprising at least two peptide monomers reversibly or irreversibly linked with one or more of said bioactive agents, wherein said two or more of said peptide monomers are covalently linked by a biodegradable difunctional moiety, as well as methods of using this nanocarrier.

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Legal Status - EP

BETA-AMINO TETRAHYDROIMIDAZO(1,2-A)PYRAZINES AND TETRAHYDROTRIAZOLO(4,3-A)PYRAZINES AS DIPEPTIDYL PEPTIDASE INHIBITORS FOR THE TREATMENT OR PREVENTION OF DIABETES

Bibliographic data

Description

Claims


Mosaics

Original document

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Legal status of EP1412357 (A1) 2004-04-28; EP1412357 (B1) 2006-03-22:

EP F	02749813 A	(Patent of invention)
PRS Date :	2004/04/28	
PRS Code :	17P	
Code Expl.:	+ REQUEST FOR EXAMINATION FILED	
EFFECTIVE DATE :	20040206	
PRS Date :	2004/04/28	
PRS Code :	AK	
Code Expl.:	+ DESIGNATED CONTRACTING STATES:	
KD OF CORRESP. PAT. :	A1	
DESIGNATED COUNTR. :	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR	
PRS Date :	2004/04/28	
PRS Code :	AX	
Code Expl.:	+ EXTENSION OF THE EUROPEAN PATENT TO	
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PRS Date :	2006/03/22	

Legal Status - EP

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PRS Date : 2006/07/31 Country - Monaco
PRS Code : PG25 MC
Code Expl.: - LAPSED IN A CONTRACTING STATE ANNOUNCED VIA
POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
EFFECTIVE DATE : 20060731
FURTHER INFORMATION : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

PRS Date : 2009/04/01 Country - Netherlands
PRS Code : REG NL KC1
Code Expl.: GRANT OF A SUPPLEMENTARY PROTECTION
CERTIFICATE
SPC NUMBER : 300287
FILING DATE : 20220705
EXPIRY DATE : 20220320
FURTHER INFORMATION : 300287, 20220705, EXPIRES: 20220320

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