

Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

The Australian Official Journal of Patents is part of the Official Journal issued by the Commissioner of Patents for the purposes of the Patents Act 1990, the Trade Marks Act 1995 and Designs Act 2003.

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 9 April 2009

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General Information

For information on the following please see our website <u>www.ipaustralia.gov.au</u> or contact our Customer Service Network on 1300651010

Editorial enquiries Contact information Freedom of Information ACT Professional Standards Board Sales Requests for Information under Section 194 (c) Country Codes Trade Mark and Designs Hearing Sessions INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a sealed patent:

(i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

(iii) NATIONAL PHASE ENTRY (NPE) -

For an application filed under the PCT to have full effect, it must move from the international phase of processing into the National phase of processing, by complying with the requirements of s.89(3). For PCT applications that were filed after 1 January 2004 which have entered the National Phase certain details are published.

(iv) ACCEPTANCE -

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

(v) OPPOSITION -

If an opposition action is commenced against the grant of the patent, the six-figure acceptance number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

(vi) SEALING -

Most accepted applications are not opposed. These proceed to sealing and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to sealing and become granted patents. Sealed patents are simply listed in order of their application number.

(vii) CERTIFICATION-

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want (eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, however, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily.

A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

How Australian Patent Documents are Numbered

Patent applications in Australia are assigned a number at the filing stage in their processing. Each Australian application will retain the same number throughout its life, though different numbers may be associated to the application. The number will incorporate the year of lodgment then a unique number within the appropriate range.

 There will be number ranges for types of patents:

 100,000 – 199,999
 Innovation

 200,000 – 799,999
 Standard

 800,000 – 899,999
 Petty

 900,000 – 999,999
 Provisional

When searching for information and ordering documents it is vital that you understand the numbering systems.

1. Provisional Applications are given a ten-figure number

e.g. 2002901123

A provisional application number is identified by the INID number (21).

2. Complete and Innovation Applications are also given a ten-figure application number

e.g. 2002200345 Standard 2002100123 Innovation

There are prefixes applied to this number which indicate whether the application has been accepted:

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234. A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

A ten-figure application number is identified by the INID number (21).

NOTE: When ordering any patent document from us, whether accepted or not, please quote the ten-figure application number preceded by the appropriate prefix.

Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- (iii) Applications Open to Public Inspection
- (iv) Applications Entered National Phase
- (v) Applications Accepted, and
- (vi) Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their five-figure Application Numbers, in the case of complete applications filed and applications OPI, or in order of their six-figure Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI, for applications which have entered national phase and for applications which have been accepted. IPC stands for International **P**atent **C**lassification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the five-figure application numbers of the application which are now OPI or the six-figure numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

.. .._

Using the Indices

1. To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

.. .._

ITEM	<u>INID</u> <u>No.</u>	ITEM	<u>INID</u> No.
A) Provisional applications filed - Name Index The <u>name</u> of the applicant The Provisional application <u>number</u> The <u>date</u> of filing The <u>title</u> of the invention	(71) (21) (22) (54)	B) Complete applications filed - Name Index The <u>name</u> of the applicant The <u>number</u> assigned to the application The <u>date</u> of filing <u>Title</u> of the invention <u>Number</u> of priority document(s) if any <u>Date(s)</u> of filing of priority documents <u>Country</u> of which priority documents filed PCT application <u>number</u>	 (71) (21) (22) (54) (31) (32) (33) (86)
ITEM	INID No.	ITEM	<u>INID</u> No.
C) Applications open to public inspection - Name Index The <u>name</u> of the applicant The <u>number</u> of the document The <u>number</u> assigned to the application	(71) (11) (21)	D) Applications entered National Phase - Name Index The <u>name</u> of the applicant The <u>number</u> of the document The <u>number</u> assigned to the application	(71) (11) (21)

The <u>date</u> of filing The <u>title</u> The <u>classification marks</u> Priority document <u>number(s)</u> <u>Date</u> of filing of priority document(s) <u>Country</u> in which priority document filed Publication <u>date</u> of unexamined document Inventors <u>names</u> if known <u>Patent Attorneys</u> Related by addition Related by division	(22) (54) (51) (31) (32) (33) (43) (72) (74) (61) (62)	The <u>date</u> of filing The <u>title</u> The <u>classification marks</u> PCT publication <u>number</u> Priority document <u>number</u> <u>Date</u> of filing of priority document(s) <u>Country</u> in which priority document filed Publication <u>date</u> of unexamined document Inventors <u>names</u> if known <u>Patent Attorneys</u>	(22) (54) (51) (87) (31) (32) (33) (43) (72) (74)
ITEM	INID No.	ITEM	<u>INID</u> No.
E) Applications accepted - Name Index The <u>name</u> of the applicant The <u>number</u> of the document The <u>number</u> of the accepted document The <u>number</u> of the accepted document The <u>number</u> assigned to the application The <u>date</u> of filing The <u>title</u> The <u>classification marks</u> PCT publication <u>number</u> Priority document <u>number</u> Date of filing of priority document(s) <u>Country</u> in which priority document filed Publication <u>date</u> of unexamined document Publication <u>date</u> of granted patent Inventors <u>names</u> <u>Patent Attorneys</u> Related by addition Related by division	 (71) (11) (10) (21) (22) (54) (51) (87) (31) (32) (33) (43) (44) (45) (72) (74) (61) (62) 	F) Patents Certified – Name Index The <u>name</u> of the applicant The <u>number</u> of the accepted document The <u>number</u> assigned to the application The <u>date</u> of filing The <u>title</u> The <u>classification marks</u> Priority document <u>number</u> <u>Date</u> of filing of priority document(s) <u>Country</u> in which priority document filed Publication <u>date</u> of granted patent Inventors <u>names</u> <u>Patent Attorneys</u> Related by division	$\begin{array}{c} (71) \\ (10) \\ (21) \\ (22) \\ (54) \\ (51) \\ (31) \\ (32) \\ (33) \\ (45) \\ (72) \\ (74) \\ (62) \end{array}$

You will notice at each stage of following application through that all applications are in alphabetical order of Applicant, not inventor.

2. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) Provisional Applications filed.
- B) Complete Applications filed.
- C) Innovation Applications filed.
- D) Applications Open to Public Inspection.
- E) Applications Entered National Phase
- F) Applications Accepted.
- G) Innovation Patent Certified

3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of IP Australia's state offices.

The indices to use are

- A) Applications OPI IPC Index
- B) Applications accepted IPC Index
- C) Applications Entered National Phase IPC Index

These indices give you the numbers of the applications which are either OPI, Entered National Phase or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed \underline{N} umbers for the Identification of \underline{D} ata'.

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an <u>unexamined</u> document, on which no grant has taken place on or before the said date.
- (44) Date of publication by printing or similar process of an <u>examined</u> document, on which no grant has taken place on or before the said date.
- (45) Date of publication by printing or similar process of a document, on which grant or certification has taken place on or before the said date.

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

(60) Reference(s) to other legally related domestic document(s)

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if know to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

(1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)², (51)³, (51)⁴ and (51)⁵.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

Official Notice

Extensions of time provisions for customers affected by circumstances beyond their control.

IP Australia provides extensions of time for customers affected by circumstances beyond their control. Customers, who have been unable to act on correspondence or meet other requirements of the Patents, Trade Marks or Designs legislation within the required time period due to the effects of the Victorian Bushfires, on Saturday 7 February 2009, will be able to request an extension of time on this basis. A waiver of the fees for an extension of time may be available in appropriate circumstances.

The extension of time provisions within the Patents, Trade Marks and Designs Acts are outlined in the following sections:

- Section 223 (2)b of the Patents Act;
- Section 137 of the Designs Act; and
- Section 224 (1) of the Trade Marks Act.

It should be noted that the Patents and Designs legislation also contain provisions for the protection and compensation of third parties in certain circumstances. Consequently it is advisable that affected persons contact IP Australia or their legal advisor as soon as they are in a position to do so.

All requests on this matter should be directed to IP Australia.

Contact:IP AustraliaPhone:1300 651 010Fax:+61 2 6283 7999E-mail:assist@ipaustralia.gov.auWeb:www.ipaustralia.gov.au

Proceedings under the Patents Act 1990

Extensions of Time, Section 223

Applications Received

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

700433 Australian Thermal Imagery Pty Ltd An application to extend the time from 17 Jun 2008 to 11 Mar 2009 in which to pay a renewal fee has been lodged . Address for service in Australia - Christopher Drew Humphries 'Caroale' Carnarvon Highway Moree NSW 2400

731121 **Xcellink Corp.** An application to extend the time from 27 Aug 2008 to 27 Mar 2009 in which to pay a renewal fee has been lodged . Address for service in Australia - Davies Collison Cave Level 15 1 Nicholson Street MELBOURNE VIC 3000

741880 **Securitron Magnalock Corp.** An application to extend the time from 4 Sep 2007 to 4 Apr 2009 in which to pay a renewal fee has been lodged . Address for service in Australia - Fisher Adams Kelly GPO Box 1413 BRISBANE QLD 4001

Applications Allowed - Section 223(2)

1999

10126 **Spiral Tube Makers Pty Ltd** The time in which to request examination has been extended to 10 Dec 2008 . Address for service in Australia - Spiral Tubemakers Pty Ltd 130-140 Merrindale Drive Croydon South Vic 3136

10126 **Spiral Tube Makers Pty Ltd** The time in which to pay a continuation fee has been extended to 10 Dec 2008 . Address for service in Australia - Spiral TubemakersPty Ltd 130-140 Merrindal3e Drive Croydon South Vic 3136

737868 **CulChrome, LLC** The time in which to pay a renewal fee has been extended to 17 Oct 2008 . Address for service in Australia - WATERMARK PATENT & TRADEMARK ATTORNEYS Level 2 302 Burwood Road Hawthorn Vic 3122

765888 Ludwig Institute for Cancer Research and Licentia Oy The time in which to pay a renewal fee has been extended to 23 Oct 2008 . Address for service in Australia - Griffith Hack GPO Box 1285K MELBOURNE VIC 3001

783683 **Vegenics Ltd.** The time in which to pay a renewal fee has been extended to 18 Oct 2008 . Address for service in Australia - Griffith Hack GPO Box 1285K MELBOURNE VIC 3001

Amendments, Section 104

Amendments Made

779745 **Curis, Inc.** The nature of the amendment is as was notified in the Official Journal dated 17 Jul 2008

Opposition Proceedings

(The name in the parentheses is that of the opponent)

Opposition Dismissed - Proceeding to Sealing

- 761822 IGT (Bally Gaming, Inc)
- 761822 IGT (Aristocrat Technologies Australia Pty Ltd)

Opposition under Section 104(4) - Lodged

- 763008 Mainline Corporate Holdings Limited (Australia and New Zealand Banking Group Limited)
- 763008 Mainline Corporate Holdings Limited (National Westminster Bank plc.)

Letters Patent Sealed

Standard Patents

761822

Assignments Registered

648519 G.B. Mars Limited The patent has been assigned to Mars Incorporated

657754 Effemex Limited The patent has been assigned to Mars Incorporated

668858 Crabtree Electrical Industries Limited The patent has been assigned to **Electrium Sales Limited**

674837 Wake Forest University The patent has been assigned to **Wake Forest University Health Sciences**

677442 G.B. Mars Limited The patent has been assigned to Mars Incorporated

690965 DeTeMobil Deutsche Telekom Mobilnet GmbH The patent has been assigned to **TIP Communications LLC**

706505 Nextrom Holding S.A. The patent has been assigned to **Maillefer S.A.**

707352 Mars UK Limited The patent has been assigned to Mars Incorporated

712500 Nextrom Holding S.A. The patent has been assigned to **Maillefer S.A.**

719877 Decox, S.L. The patent has been assigned to Covex Farma S.L.

721383 Artemon Pty Ltd The patent has been assigned to A.F. & B.J. MacFarlane

728875 Mars UK Limited The patent has been assigned to Mars Incorporated

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS

Assignments Registered - cont'd

733880 MGI GP, Inc. The patent has been assigned to **Eisai** Corporation of North America

734389 Acuity CiMatrix, Inc. The patent has been assigned to Siemens Energy & Automation, Inc.

734760 Mars UK Limited The patent has been assigned to Mars Incorporated

740221 Aware, Inc. The patent has been assigned to Daphimo Co. B.V., LLC

742418 MGI GP, Inc. The patent has been assigned to Eisai Corporation of North America

744756 Aware, Inc. The patent has been assigned to Daphimo Co. B.V., LLC

746380 Mars UK Limited The patent has been assigned to Mars Incorporated

747547 Mars UK Limited The patent has been assigned to Mars Incorporated

749756 Mars UK Limited The patent has been assigned to Mars Incorporated

752335 Hothold Solutions Ltd The patent has been assigned to Strongabuilt Pty Ltd

757087 Mars UK Limited The patent has been assigned to Mars Incorporated

759260 Acuity CiMatrix, Inc. The patent has been assigned to Siemens Energy & Automation, Inc.

763810 Aware, Inc. The patent has been assigned to Daphimo Co. B.V., LLC

765104 Memetrics Holdings Pty Limited The patent has been assigned to Accenture Global Services GmbH

766335 Mars UK Limited The patent has been assigned to Mars Incorporated

767580 Pharmexa A/S The patent has been assigned to Affitech AS

768743 Mars UK Limited The patent has been assigned to Mars Incorporated

770037 Aware, Inc. The patent has been assigned to Daphimo Co. B.V., LLC

770258 MGI GP, Inc. The patent has been assigned to **Eisai** Corporation of North America

771447 Krysium Advisors Ltd. The patent has been assigned to Krysium Technologies Limited

773696 Mars UK Limited The patent has been assigned to Mars Incorporated

776479 Mars UK Limited The patent has been assigned to Mars Incorporated

777066 Aware, Inc. The patent has been assigned to Daphimo

Assignments Registered - cont'd

Co. B.V., LLC

778843 Mars UK Limited The patent has been assigned to Mars Incorporated

779710 Mars UK Limited The patent has been assigned to Mars Incorporated

782087 Mars UK Limited The patent has been assigned to Mars Incorporated

782602 Exelixis Plant Sciences, Inc. The patent has been assigned to Agrigenetics, Inc.

783103 Mars UK Limited The patent has been assigned to Mars Incorporated

785003 Mars UK Limited The patent has been assigned to Mars Incorporated

785072 National Starch and Chemical Investment Holding Corporation; Avebe The patent has been assigned to **Avebe;** Brunob II B.V.

785484 Mars UK Limited The patent has been assigned to Mars Incorporated

Alteration Of Name In Register

720234 Nichia Chemical Industries, Ltd. The name of the patentee(s) has been changed to **Nichia Corporation**

744210 Nichia Chemical Industries, Ltd. The name of the patentee(s) has been changed to **Nichia Corporation**

Notice of Intention to Amend pursuant to Order 58 Rule 10(1) of the Federal Court Rules

Australian Patent 670491 in the name of Sanofi-Aventis Deutschland GmbH

NOTICE OF INTENTION TO APPLY FOR AMENDMENT OF LETTERS PATENT PURSUANT TO SECTION 105(1) OF THE PATENTS ACT 1990 (CTH) AND ORDER 58 RULE 10(1) OF THE FEDERAL COURT RULES

We, Sanofi-Aventis Deutschland GmbH of Frankfurt am Main, Germany, hereby notify the Commissioner of our intention to apply, pursuant to s 105(1) of the Patents Act 1990 (Cth) and Order 58 Rule 10 of the Federal Court Rules, to the Federal Court of Australia for an order directing amendment of the complete specification of Australian Patent No 670491 in accordance with the accompanying advertisement.

The application will be made in Federal Court Proceedings NSD 1664 of 2008 sanofi-aventis Australia Pty Ltd & sanofi-aventis Deutschland GmbH v Apotex Pty Ltd, currently pending in the NSW District Registry of the Federal Court of Australia.

We hereby request that the Commissioner cause the accompanying advertisement to be published in the next available issue of the *Australian Official Journal of Patents*, in accordance with Order 58 rule 10(2) of the Federal Court Rules.

Sanofi-Aventis Deutschland GmbH

By Gilbert + Tobin

pert + Tobin

Anthony Muratore

DATED 6 March 2009

Advertisement pursuant to Order 58 Rule 10(1) of the Federal Court Rules

Sanofi-Aventis Deutschland GmbH, the registered proprietor of Australian Patent No 670491 (the **Patent**), hereby provides notice that it intends to apply for a court order directing the amendment of the Patent pursuant to subsection 105(1) of the *Patents Act 1990* (Cth).

IDENTITY OF PROCEEDINGS

Federal Court of Australia New South Wales District Registry NSD 1664 of 2008 Sanofi-Aventis Australia Pty Ltd & Anor v Apotex Pty Ltd Originating process filed 23 October 2008

Parties: Sanofi-Aventis Australia Pty Ltd (ACN 008 558 807) Sanofi-Aventis Deutschland GmbH (Applicants)

> Apotex Pty Ltd (ACN 096 916 148) (Respondent)

PARTICULARS OF PROPOSED AMENDMENTS

- 1. At pages 14 to 16 (as shown in amended form in Annexure 1):
 - (a) delete claims 1-4 and 6-10;
 - (b) to the extent that claim 5 is dependent on claims 1 and 4, consolidate claim 5 with claims 1 and 4 and renumber the resulting claim as claim 1;
- 2. At page 3 (as shown in amended form in Annexure 2):
 - (a) at line 10, replace the word "is" with "it"
 - (b) at line 11, delete the word "an"
 - (c) at line 12, replace the word "keratinocytes" with "keratinocyte"
 - (d) at line 16, replace the word "ration" with "ratio"
 - (e) at line 18, delete the word "a"
 - At page 6 (as shown in amended form in Annexure 2):
 - (f) delete lines 4-11
 - (g) at line 20, add the word "a" after the words "tolerable salt of"

APPLICANTS' ADDRESS FOR SERVICE IN AUSTRALIA

GILBERT + TOBIN GPO Box 3810 SYDNEY NSW 2001

З.

Tel: (02) 9263 4000 Fax: (02) 9232 2467

Attention: Anthony Muratore

OPPOSITION

Any person or corporation who intends to oppose the application who is not a party to the proceedings must, not later than 28 days after the date of publication of this advertisement, give written notice of that intention to each of the Commissioner, the Applicants (at the above address for service) and the Respondent.

5

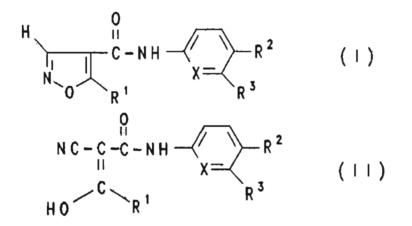
Annexure 1

14

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A method of preventing or treating a skin disorder, wherein the skin disorder is psoriasis, which comprises administering to a recipient an effective amount of a pharmaceutical composition containing as an active ingredient a compound of the formula I or II





wherein R¹ denotes

15

a) methyl,

b) (C_3-C_6) -cycloalkyl,

c) (C₂-C₆)-alkyl, having at least 1 double or triple bond between the carbon atoms,

R² denotes

20

a) -CF3 or

b) -CN,

R³ denotes

a) methyl or

b) hydrogen atom,

X denotes

5

- a) -CH group or
- b) nitrogen atom

where the compound of the formula II is present as such or in the form of a physiologically tolerable salt.

Annexure 2

З

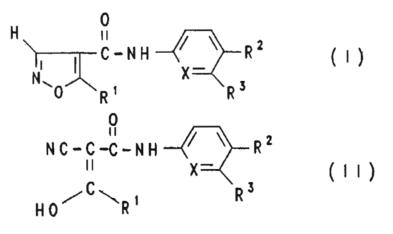
are transient and not serious. The most limiting side effect, however, remains kidney dysfunction (Mason J, Pharamacol rev, 41: 423, 1989; Borel and Kis, Transplantation Proc., 23: 1867-1874, 1991)

Therapy with immunosuppressive agents is often associated with serious side effects 5 such as toxicities, including neurotoxicity, hypertension, hypomagnesemia, anemia, leucopenia, thrombocytopenia, tendency to acquire infections, renal function impairment and

leucopenia, thrombocytopenia, tendency to acquire infections, renal function impairment and teratogenicity. In an attempt to develop better agents for the treatment of psoriasis it has been found that a compound of the formula I or II shows effective inhibition of keratinocyte proliferation.

10 The compounds of the formula I or II are well tolerated by human beings. During therapy of human beings no decreased resistance to infections, no kidney dysfunction, no relevant changes of laboratory values such as liver enzymes, blood count or body weight have been observed. The compounds of the formula I or II show a better risk benefit ratio compared with other immunosuppressive agents, have a long lasting effect after withdrawal and offer the possibility of short term therapy and longer remission intervals.

Therefore the invention relates to a method of preventing or treating a skin disorder in a patient in need thereof by administering an effective amount of a compound of the formula I or II:



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The starting substances for the reactions are known or can be easily prepared by methods known from the literature.

The invention also relates to a pharmaceutical which contains an effective amount of a compound of the formula I and/or a compound of the formula II, where the compound of the formula II is present as such or in the form of a physiologically tolerable salt, in addition to pharmaceutically suitable and physiologically tolerable excipients, diluents and/or other active

The invention also relates to a process for the preparation of a pharmaceutical for the treatment of psoriasis, which comprises bringing a compound of the formula I or II and/or a

10 physiologically tolerable salt of a compound of the formula II into a suitable administration form using a pharmaceutically suitable and physiologically acceptable excipient and, if appropriate, other suitable active substances, additives or auxiliaries.

The pharmaceutical according to the invention can be administered orally, topically, rectally or parenterally.

15 Suitable solid or liquid pharmaceutical administration forms are, for example, granules, powders, coated tablets, tablets, (micro)capsules, suppositories, syrups, juices, suspensions, emulsions, drops or injectable solutions and

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substances and auxiliaries.

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