

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 March 2007 (29.03.2007)

PCT

(10) International Publication Number
WO 2007/035448 A3

(51) International Patent Classification:

A61K 9/48 (2006.01) A61K 47/10 (2006.01)
A61K 31/19 (2006.01)

(21) International Application Number:

PCT/US2006/035932

(22) International Filing Date:

15 September 2006 (15.09.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/719,018 19 September 2005 (19.09.2005) US

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

14 June 2007

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.

(54) Title: HIGHLY CONCENTRATED POURABLE AQUEOUS SOLUTIONS OF POTASSIUM IBUPROFEN THEIR PREPARATION AND THEIR USES

(57) Abstract: Concentrated pourable potassium ibuprofen liquid compositions, and preparation and uses thereof are described. They are composed of (i) at least 60 wt% of potassium ibuprofen in dissolved form; (ii) water; (iii) one or more polyethylene glycols, (iv) optionally up to 5 wt% of at least one C₂₋₃ alkanol; and (v) optionally, ibuprofen in free acid form. The weight ratio of (ii):(iii) is at least 0.9:1. Compositions containing as much as 85.2 wt% of potassium ibuprofen in dissolved form have been successfully made. The highest level of potassium ibuprofen in dissolved form achieved in experiments reported in the presently-known prior art is but 24.2 wt%. The present compositions are suitable for use in the preparation of pharmaceutical products and various pharmaceutical dosage forms such as liquid-filled soft gelatin capsules, syrups, elixirs, suspensions; solid dosage forms such as tablets or caplets; and topically-applied products. such as lotions, creams or ointments.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/035932

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K9/48 A61K31/19 A61K47/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, CHEM ABS Data, EMBASE, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/137262 A1 (HU PATRICK C [US] ET AL) 23 June 2005 (2005-06-23) abstract paragraphs [0008] - [0013] paragraphs [0021], [0054] claims 20,21	1-117
Y	EP 0 178 436 A1 (DOLORGIET GMBH & CO KG [DE]) 23 April 1986 (1986-04-23) examples 3,5,12	48-117
Y	WO 94/14423 A (SCHERER CORP R P [US]; MORTON FRANK S S [US]; SHELLEY RICKEY S [US]; P) 7 July 1994 (1994-07-07) page 4, lines 17-26 page 6, lines 31-36 page 7, lines 21-32 example 5	48-117
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

18 April 2007

Date of mailing of the international search report

02/05/2007

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/035932

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 861 797 A (HAAS RONALD T [US]) 29 August 1989 (1989-08-29) cited in the application column 4, lines 41-66 example 1 -----	1-117
Y	WO 02/17855 A (SCHERER TECHNOLOGIES INC R P [US]; TINDAL STEPHEN CHARLES [GB]; WEBSTE) 7 March 2002 (2002-03-07) page 4, last paragraph - page 5, line 5 table 1 -----	48-117
Y	US 5 071 643 A (YU MAN S [US] ET AL) 10 December 1991 (1991-12-10) cited in the application example III -----	48-117

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2006/035932

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 113 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/035932

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