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(74) Agent: INDYK, Eugene; Indyk & Rushford, 366 Rue Road, Monroe Township, NJ 08831 (US).

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(54) Title: KETOPROFEN COMPOSITIONS AND METHODS OF MAKING THEM

(57) Abstract: A wide variety of pharmaceutically and commercially acceptable dosage forms of ketoprofen are prepared by dissolving ketoprofen in pharmaceutically acceptable solvents.

INTERNATIONAL SEARCH REPORT

International Application No PCT/US 03/39544
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K9/08
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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) IPC 7 A61K
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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)
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EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/169212 A1 (SODERLUND PATRICK ET AL) 14 November 2002 (2002-11-14)	1-16, 19, 25-28, 37, 45-53 34, 35
X	paragraph '0019! paragraph '0023! example 1 claims 1,14,19	
X	EP 0 418 564 A (BAYER AG) 27 March 1991 (1991-03-27)	1-16, 19, 22, 25, 26, 28, 37, 45-53 34, 35
X	page 2, line 45 – line 51 examples 11,12 claims 1,5	1-16, 19, 22, 25, 26, 28, 37, 45-53 34, 35
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.
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<input checked="" type="checkbox"/> Patent family members are listed in annex.
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° Special categories of cited documents :

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- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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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.
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Date of the actual completion of the international search

Date of mailing of the international search report
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6 September 2004

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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016
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VON EGGEKRAUT, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HILDEBRAND G E ET AL: "Characterisation of ketoprofen sodium solutions, HPC gels and liquid crystals as potential topical formulations" EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 4, no. SUPPL., 1996, page S43, XPO02277185 & THIRD EUROPEAN CONGRESS OF PHARMACEUTICAL SCIENCES; EDINBURGH, SCOTLAND, UK; SEPTEMBER 15-17, 1996 ISSN: 0928-0987 abstract	1-3 34, 36
X	HILDEBRAND G E ET AL: "Ketoprofen sodium: Preparation and its formation of mixed crystals with ketoprofen" JOURNAL OF PHARMACEUTICAL SCIENCES 1997 UNITED STATES, vol. 86, no. 7, 1997, pages 854-857, XPO02277186 ISSN: 0022-3549	1-16, 25-28
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X	page 854, left-hand column, paragraph 1 page 855, left-hand column, line 19 - right-hand column, line 3	34, 36
Y	WO 89/03210 A (ORATECH PHARM DEV CORP) 20 April 1989 (1989-04-20) cited in the application	1-33, 37, 45-53
X	page 1, line 5 - line 14 page 5, line 27 - page 6, line 4 example 1 page 16, line 4 - line 12	34, 35
A	WO 97/24114 A (DOMPE SPA ; GENTILE MARCO (IT); BOLTRI LUIGI (IT); CLAVENNA GAETANO (I) 10 July 1997 (1997-07-10) cited in the application	1-33, 37, 45-53
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

International application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 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:

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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

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

see additional sheet

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-33,37,45-53

Clear and stable aqueous solution comprising an alkali metal salt of ketoprofen dissolved therein

2. claims: 34-36

Alkali metal salt of ketoprofen

3. claim: 38

Suppository comprising dissolved ketoprofen

4. claim: 39

Cream comprising dissolved ketoprofen

5. claim: 40

Ointment comprising dissolved ketoprofen

6. claims: 41-43,54-56

Injectable liquid comprising dissolved ketoprofen

7. claim: 44

Ketoprofen gel comprising a ketoprofen composition dissolved in a PEG composition

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/39544

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