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AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
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KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
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FR, GB, GR, HU, IE, IT, LU, 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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21 April 2005

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: PHARMACEUTICAL COMPOSITION BASED ON KETOROLAC OR ONE OF ITS SALTS PHARMACEUTICALLY ACCEPTABLE AND USE OF KETOROLAC OR ITS SALTS IN PHARMACEUTICAL COMPOSITIONS

(57) Abstract: The present invention refers to pharmaceutical compositions based on ketorolac or one of its salts pharmaceutically acceptable, as well as the use of ketorolac or one of its salts acceptable from pharmaceutical viewpoint, for preparation of a pharmaceutical composition (tablets) for sublingual administration, with the purpose of accelerating the pharmacological response to ketorolac, without making use of the injectable via. On the other hand, a pharmaceutical composition is described encompassing, as one of its active principles, ketorolac or one of its salts acceptable from pharmaceutical viewpoint, representing from 10 to 15% by weight, in relation to the total weight of the compound and as the essential excipient, a ternary mixture of lactose/sorbitol/cellulose, eventually in a mixture with other excipients acceptable from pharmaceutical viewpoint.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/BR04/00077

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/40, 31/19

US CL : 514/413, 424/54

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)

U.S. : 514/413, 424/54

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 practicable, search terms used)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,288,497 A (STANLEY et al) 22 February 1994 (22.02.1994), see entire documents, especially column 5 line 19 thru column 7, line 60; claim 168.	1, 11, 17-18
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Y		2-4, 13-15
X	US 5,626,838 A (CAVANAUGH, JR.) 06 May 1997 (06.05.1997), see entire documents	1, 11, 18
X	US 6,685,951 B2 (CUTLER) 03 February 2004 (03.02.2004), see entire documents, especially, column 5, lines 1-21; column 6, line 56 thru column 7, line 2; column 11, lines 61-67; column 16, line 56.	1, 11, 17-18
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Y		2-4, 13-15



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	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

17 November 2004 (17.11.2004)

Date of mailing of the international search report

19 JAN 2005

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

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

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim 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. ☒ Claim Nos.: 5-10, 12 and 16
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:

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

PCT/BR04/00077

Continuation of B. FIELDS SEARCHED Item 3:

STN ONLINE

search terms: sublingual, buccal, ketorolac, toradol