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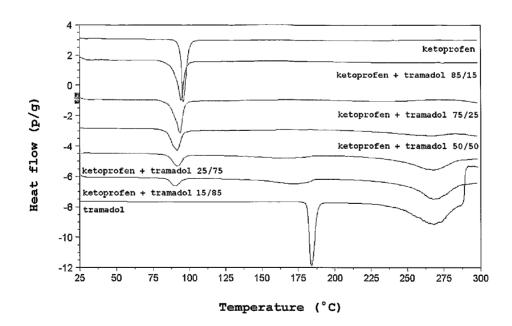
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[Continued on next page]

#### (54) Title: PHARMACEUTICAL COMPOSITION COMPRISING TRAMADOL AND KETOPROFEN



b (57) Abstract: The present invention relates to a pharmaceutical composition comprising a combination of active principles. More proceed a specifically: a stable pharmaceutical composition comprising a combination of tramadol and ketoprofen. Furthermore, a combination in solid form in which the active principles are vehicled in pharmaceutical forms and/or products that prevent contact between them. Complementarily, the present invention also relates to the combined use of ketoprofen and tramadol in the preparation of an oral medicine useful for relieving pain as well as a method for relieving pain with an oral pharmaceutical composition comprising a combination of tramadol and ketoprofen.



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#### INTERNATIONAL SEARCH REPORT

International application No. PCT/BR 2008/000024

A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>8</sup>: A61K 9/24 (2006.01); A61K 31/135 (2006.01); A61K 31/137 (2006.01) 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) IPC8: 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 practicable, search terms used) WPI, TXTE, TXTG

C. DOCUM	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Х	EP 546676 A1 (MCNEILAB, INC.) 16 page 4, lines 42-46; claims 1,6	3 June 1993 (16.06.1993)	1,6-8
Х	WO 2007/008752 A2 (FARNAM CO 18 January 2007 (18.01.2007) page 20, line 1; claim 1,12,13	1,6,7	
Χ	US 6294195 B1 (OSHLACK et al.) 2 (25.09.2001)	5 September 2001	1,2,6-9
Υ	page 7, lines 21-30; claims 1,5,14,18-	20	10,11
Further	documents are listed in the continuation of Box C.	See patent family annex.	
"A" document to be of "E" earlier a filing da "L" document cited to special r "O" document means "P" document to be of the fill of the fil	categories of cited documents:  Int defining the general state of the art which is not considered particular relevance pplication or patent but published on or after the internation te  It which may throw doubts on priority claim(s) or which establish the publication date of another citation or other eason (as specified)  Interferring to an oral disclosure, use, exhibition or other published prior to the international filing date but later the city date claimed	to understand the principle or the al "X" document of particular relevar cannot be considered novel or car an inventive step when the docum er "Y" document of particular relevar cannot be considered to involve document is combined with documents, such combination	with the application but cited ory underlying the invention not; the claimed invention the considered to involve neet is taken alone nee; the claimed invention an inventive step when the one or more other such being obvious to a person
Date of the	actual completion of the international search 30 June 2008 (30.06.2008)	Date of mailing of the international se 10 July 2008 (10.	arch report 07.2008)
	nailing address of the ISA/AT  Austrian Patent Office esdner Straße 87, A-1200 Vienna	Authorized officer KRENN M	l.
Facsimile N	o. +43 / 1 / 534 24 / 535	Telephone No. +43 / 1 / 534 24	435

#### INTERNATIONAL SEARCH REPORT

International application No. PCT/BR 2008/000024

#### Continuation of first sheet

#### Continuation No. II:

#### Observations where certain claims 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:

Claims Nos.: 3-5,12-16 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:

Commonly a composition is a physical mixture of at least two different components; thus two components, which are separately packed can never be regarded as composition. The characterization given in claims 3-5 is therefore illicit.

The category of claim is not clear regarding claims 12-16. If a second medical use claim is intended to be claimed, the correct formulation ("Use of ... for the manufacture of a medicament for treating ...") should be maintained.

#### INTERNATIONAL SEARCH REPORT

International application No. PCT/BR 2008/000024

ategory*	on). DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.					
	,,,,,					
Υ	US 2003/152627 A1 (BECKERT et al.) 14 August 2003	10,11				
'	(14.08.2003)	10,11				
İ	page 4, lines 12,57; paragraph [0098]; claim 1					
1						
PX	WO 2007/103113 A2 (POZEN INC.) 13 September 2007	1,2,6-9				
. , ,	(13.09.2007)	(,,_,,				
	page 4, 2nd and 3rd paragraph; claims 1,2,5,7					
	<b></b>					

# INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/BR 2008/000024

Patent document cited in search report			Publication date		Patent family member(s)		Publication date
EP	EP A	546676		KR	В1	100236562B	2000-03-02
				DE	T2	69233462Т	2006-02-16
				US	Α	5516803	1996-05-14
				JP	Α	6157301	1994-06-03
				CN	A	1073095	1993-06-16
				ZW	A1	17892	1994-06-03
WO	A	2007008752		EP	A2	1917000	2008-05-07
				CA	A1	2615802	2007-01-18
				ΑŰ	A1	2006269225	2007-01-1
				US	A1	2007020335	2007-01-2
				WO	A2	2007008752	2007-01-1
US	A	6294195		US	A1	2008063712	2008-03-1
				US	A1	2008044482	2008-02-2
				KR	B1	100252188B	2000-05-0
				KR	B1	0140492B	1998-06-0
				SI	T1	1419766T	2006-04-3
				JP	A	2006188540	2006-07-2
US		2003152627		ES	Т3	2298236Т	2008-05-1
				$\mathbf{AT}$	${f T}$	380022Т	2007-12-1
				US	A1	2005053660	2005-03-1
				US	A1	2003152627	2003-08-1
				MX	Α	PA02009478	2003-03-1
				BG	A	107147	2003-05-3
WO	A	2007103113		WO	A2	2007103113	2007-09-1
				បន	A1	2007207200	2007-09-0