



(51) International Patent Classification:

A61K 31/167 (2006.01) A61K 9/20 (2006.01)
A61K 31/52 (2006.01) A61P 29/00 (2006.01)
A61K 31/616 (2006.01)

(21) International Application Number:

PCT/CZ2012/000042

(22) International Filing Date:

24 May 2012 (24.05.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PP 5028-2011 25 May 2011 (25.05.2011) SK

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(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

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

17 January 2013

(54) Title: A COMBINED ORAL FORMULATION WITH CONTROLLED RELEASE OF ACETYLSALICYLIC ACID AND A METHOD FOR THE PREPARATION

(57) Abstract: A combined oral solid pharmaceutical formulation with controlled release of acetylsalicylic acid, which comprises at least one further active ingredient selected from the group of non-narcotic analgesics and/or natural psychotropic agents, and stearic acid and starch as excipients in a specific ratio, and a method for the preparation thereof.



INTERNATIONAL SEARCH REPORT

International application No
PCT/CZ2012/000042

A. CLASSIFICATION OF SUBJECT MATTER INV. A61K31/167 A61K31/52 A61K31/616 A61K9/20 A61P29/00 ADD.		
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 A61P 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) EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, SCISEARCH, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 117 646 A (EASTMAN KODAK CO) 19 June 1968 (1968-06-19)	1,2,4-11
Y	examples 23, 24 -----	3,12-17
X	US 4 505 862 A (SHEINAUS HAROLD [US] ET AL) 19 March 1985 (1985-03-19)	1,2,4-11
Y	example 9 -----	3,12-17
X	WO 2010/081722 A2 (ADD TECHNOLOGIES LTD [CH]; KRAUBSAUER ETIENNE [FR]; GERBER FREDERIC [F]) 22 July 2010 (2010-07-22)	1-12,17
Y	in particular the Examples -----	13-16
A	WO 2009/022821 A2 (HANALL PHARMACEUTICAL CO LTD [KR]; KIM SUNG WUK [KR]; JUN SUNG SOO [KR]) 19 February 2009 (2009-02-19) examples 1,2,3,14 -----	1-17
☐ 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 application or patent 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 "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 "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 6 September 2012	Date of mailing of the international search report 20/11/2012	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CZ2012/000042

Box No. 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:
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 No. 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:

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 fees, this Authority did not invite payment of additional fees.
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.:

1-17

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ 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: 1-17

A combined oral formulation with controlled release of acetylsalicylic acid, characterized in that the formulation comprises at least one further active ingredient selected from the group consisting of non-narcotic analgesics and natural psychotropic agents, and the excipients starch and stearic acid.

2. claims: 18-23

A method for the preparation of a combined oral formulation with controlled release of acetylsalicylic acid according to any one of claims 1-17, characterized in that a caffeine triturate is admixed to a previously prepared paracetamol granulate, an acetylsalicylic acid granulate and silicon oxide are admixed to the resulting mixture and the final blend is tabletted to pressings which have a break resistance of from 20 N to 90 N, preferably from 35 N to 75 N, and a disintegration of from 30 seconds to 2 minutes and 30 seconds.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/CZ2012/000042

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