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(54) Title: ORAL DRUG DELIVERY SYSTEM COMPRISING HIGH VISCOSITY LIQUID CARRIER MATERIALS

(57) Abstract: Dosage forms and drug delivery devices suitable for administration of pharmaceutical compounds and compositions, including the oral drug administration of compounds.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/40156

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K9/52

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

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, EMBASE, WPI Data, PAJ, BIOSIS, 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	SULLIVAN S A ET AL: "Sustained release of orally administered active using SABER(R) delivery system incorporated into soft gelatin capsules" PROCEEDINGS OF THE CONTROLLED RELEASE SOCIETY 1998 UNITED STATES, no. 25, 1998, pages 918-919, XP008030849 ISSN: 1022-0178 table 1	1-11, 13-60, 70-78
X	US 6 413 536 B1 (SULLIVAN STACEY A ET AL) 2 July 2002 (2002-07-02) cited in the application column 3, line 43 - column 5, line 35 column 10, line 54 - line 55 column 11, line 43 - line 53 column 13, line 18 - column 14, line 4 example 0	1-60, 70-78

Further documents are listed in the continuation of box C.

Patent family members are listed in 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

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

24 May 2004

Date of mailing of the international search report

04/06/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/40156

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GB 2 238 478 A (FARMITALIA CARLO ERBA LTD ; SCHERER LTD R P (GB)) 5 June 1991 (1991-06-05)</p> <p>page 17, line 1 - page 18, line 26 -----</p>	<p>1-4, 6, 9-11, 13-28, 37, 40-60, 70-72, 75, 77, 78</p>
A	<p>US 5 266 331 A (CHASIN MARK ET AL) 30 November 1993 (1993-11-30) example 1 -----</p>	<p>61-69, 79</p>

INTERNATIONAL SEARCH REPORT

national application No.
PCT/US 03/40156

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. 1-4, 6, 9-11, 13-28, 41-56, 58-60, 70, 75, 77 (all partially)
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:
see FURTHER INFORMATION sheet PCT/ISA/210

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:

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

International Application No. PCT/ US 03 /40156

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-4,6,9-11,13-28,41-56,58-60,70,75,77 (all partially)

Present claims 1-4,6,9-11,13-28,41-56,58-60,70,75,77 relate to an extremely large number of possible products. In fact, the claims contain so many options that a lack of clarity (and conciseness) within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and concise), namely for sucrose acetate isobutyrate, rheology modifiers as defined in claim 12, solvents as defined in claim 57 and the concept of a formulation comprising a HVLCM, a network former and a drug.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No PCT/US 03/40156
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International Application No

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