ABSTRACT

The present disclosure relates to pharmaceutical compositions comprising combinations of proton pump inhibitors, their salt forms or related compounds and at least one other pharmaceutically active agent. Methods of using such compositions, including methods of and an apparatus for administering such compounds, are also provided.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K31/4439 A61P9/04

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 practical, search terms used)
EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
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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 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
"W" document member of the same patent family

Date of the actual completion of the international search
4 June 2008

Date of mailing of the international search report
08/09/2008

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Herrera, Suzanne

Form PCT/ISA/210 (second sheet) (April 2005)
## INTERNATIONAL SEARCH REPORT

**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. [x] 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.:

- see annex

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

1. claims: 1-10

Composition comprising a first acid labile proton pump inhibitor (PPI), a second PPI with a later onset of action and later elimination than the first PPI and a buffering agent

2. claims: 11-14

Composition comprising a PPI in a salt form, a PPI in a free base form and a buffering agent

3. claims: 15-19

Composition comprising a PPI, having a portion which is not enteric coated, an H2 blocker and a buffering agent

4. claims: 20-21

Composition comprising a PPI, having a portion which is not enteric coated, vitamin B12 and a buffering agent

5. claims: 22-23

Composition comprising a PPI, having a portion which is not enteric coated, an anti-H. Pylori active substance and a buffering agent

6. claims: 24-25

An multi-chambered apparatus comprising one chamber containing a PPI, which displays better storage stability at higher concentrations and another chamber containing a diluent and a dispenser that offer volumetric dispensing

7. claims: 26-29

Composition comprising a PPI, having a portion which is not enteric coated and a protein component

8. claims: 30-32

A pharmaceutical compositions comprising a polymeric benzimidazole compound of formula (II) and a buffering agent
9. claims: 33-35

Composition comprising 200-3000 mg PPI, having a portion which is not enteric coated, 500-5000 mg buffering agent, wherein the composition is in the form of 1 to a small plurality of moldable articles
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Form: PCT/ISA/210 (patent family annex) (April 2005)