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(54) Title: MAGNESIUM SALT PROTON PUMP INHIBITOR DOSAGE FORMS

(57) Abstract: The present invention concerns oral dosage formulations of sparingly to very slightly water soluble proton pump inhibitors, the oral dosage forms so made, and methods of use thereof. The oral dosage form has a core tablet of compressed particles composed of powder particles of a pharmaceutically acceptable material, having coated thereon admixture of a sparingly to very slightly water soluble magnesium salt of a benzimidazole proton pump inhibitor; and a hydrophilic polymer having a surfactant functionality that increases the water solubility of the magnesium salt of the benzimidazole proton pump inhibitor. The coated core tablet has a pharmaceutically acceptable sub-coating on the core tablet; and a pharmaceutically acceptable enteric coating on the sub-coating. The coated tablet may provide enhanced absorption when administered orally.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/28922

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 9/14 (2007.01), A61K 31/44 (2007.01)

USPC - 424/486, 424/488, 514/338

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)

USPC - 424/486, 424/488, 514/338

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)

PubWest(PGPUB, USPT, EPAB, JPAB), Google Scholar. Search Terms used: proton pump inhibitor, omeprazole, hydroxylpropyl, cellulose, hydrate, crystalline, and soluble

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0037070 A1 (HALL et al.) 17 February 2005 (17.02.2005), [0021], [0022], [0032], [0050], [0063], [0069], [0071], [0072], [0080], [0089]-[0091], [0166], [0168], [0170], [0171], [0200], [0204]-[0208], and [0210]-[0213]	1-25

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"P" document published prior to the international filing date but later than the priority date claimed

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