

Title (en)

METHODS AND DOSAGE FORMS FOR IMPROVING THE BIOAVAILABILITY OF THERAPEUTIC AGENTS

Title (de)

VERFAHREN UND DOSIERUNGSFORMEN ZUR VERBESSERUNG DER BIOVERFÜGBARKEIT VON ARZNEISTOFFEN

Title (fr)

METHODES ET FORMES POSOLOGIQUES PERMETTANT D'AMELIORER LA BIODISPONIBILITE D'AGENTS THERAPEUTIQUES

Publication

**EP 1439820 A2 20040728 (EN)**

Application

**EP 02787522 A 20021029**

Priority

- EP 02787522 A 20021029
- EP 0212062 W 20021029
- EP 01125761 A 20011029

Abstract (en)

[origin: WO03037296A2] The present invention provides controlled release dosage forms for oral administration. The dosage form comprises a therapeutic agent that is metabolized in the upper GI tract in combination with a controlled-release agent so as to be hydrodynamically balanced so that, in contact with gastric fluid, the dosage form has a bulk density less than one g/ml and therefore is buoyant in the gastric fluid. Such dosage form is retained in the stomach during the time when substantially all of the medicaments are released therefrom. Additionally, such dosage form will release the medicament over an extended period of time so that delivery of the therapeutic agent to the small intestine will occur steadily rather than immediately. Such steady release over time of the therapeutic agent at the metabolism and absorption site will prevent enzyme saturation and thereby exhibit greater bioavailability of the therapeutic agent.

IPC 1-7

**A61K 9/00**

IPC 8 full level

**A61K 9/20** (2006.01); **A61K 9/00** (2006.01); **A61K 9/48** (2006.01); **A61K 9/52** (2006.01); **A61K 31/40** (2006.01); **A61K 38/55** (2006.01); **A61K 47/02** (2006.01); **A61K 47/04** (2006.01); **A61K 47/12** (2006.01); **A61K 47/26** (2006.01); **A61K 47/34** (2006.01); **A61K 47/36** (2006.01); **A61K 47/38** (2006.01); **A61P 9/12** (2006.01); **A61P 43/00** (2006.01); **C07D 209/52** (2006.01)

CPC (source: EP)

**A61K 9/0065** (2013.01); **A61K 38/556** (2013.01); **A61P 9/12** (2017.12); **A61P 43/00** (2017.12)

Citation (search report)

See references of WO 03037296A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03037296 A2 20030508**; **WO 03037296 A3 20031224**; AU 2002351798 A1 20030512; CA 2466032 A1 20030508; EP 1439820 A2 20040728; JP 2005509643 A 20050414; MX PA04004035 A 20041029

DOCDB simple family (application)

**EP 0212062 W 20021029**; AU 2002351798 A 20021029; CA 2466032 A 20021029; EP 02787522 A 20021029; JP 2003539640 A 20021029; MX PA04004035 A 20021029