

Title (en)

COLONIC DELIVERY USING ZN/PECTIN BEADS WITH A EUDRAGIT COATING.

Title (de)

ABGABE IM KOLON MIT ZN/PECTIN-PERLEN MIT EUDRAGIT-BESCHICHTUNG

Title (fr)

DISTRIBUTION COLIQUE À L'AIDE DE BILLES ZN/PECTINE AVEC UN REVÊTEMENT D'EUDRAGIT

Publication

EP 2081557 A1 20090729 (EN)

Application

EP 07822689 A 20071116

Priority

- EP 2007062475 W 20071116
- US 85960006 P 20061117
- US 85959906 P 20061117

Abstract (en)

[origin: WO2008059062A1] Drug delivery systems that can deliver therapeutic and/or diagnostic agents to the colon are disclosed. The systems include pectin beads crosslinked with zinc or any divalent cation of interest, which beads are then coated with Eudragit®-type polymers. The drug delivery systems are orally administrable, but can deliver the active agents to the colon, or, in some embodiments, to various other positions in the gastro-intestinal tract. The agents can be used to diagnose, treat, prevent, or investigate a variety of conditions, including infectious diseases, inflammatory diseases, cancers and the like. Certain agents, such as metallo-dependent enzymes, for example, β -lactamase LI from *Stenotrophomonas maltophilia*, as well as agents that inactivate macrolide, quinolone, fluoroquinolone or glycopeptide antibiotics, can reduce the quantity of residual antibiotics reaching the colon following antibiotic therapy.

IPC 8 full level

A61K 9/50 (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

A61K 9/5026 (2013.01); **A61K 9/5073** (2013.01); **A61K 38/13** (2013.01); **A61K 38/19** (2013.01); **A61K 38/191** (2013.01); **A61K 38/465** (2013.01); **A61K 38/50** (2013.01); **A61P 1/04** (2017.12); **A61P 1/10** (2017.12); **A61P 29/00** (2017.12); **A61P 31/04** (2017.12); **A61P 35/00** (2017.12); **A61P 37/02** (2017.12)

Citation (search report)

See references of WO 2008059062A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008059062 A1 20080522; AU 2007321111 A1 20080522; BR PI0719319 A2 20140204; CA 2678131 A1 20080522; CN 101795675 A 20100804; EP 2081557 A1 20090729; JP 2010510196 A 20100402

DOCDB simple family (application)

EP 2007062475 W 20071116; AU 2007321111 A 20071116; BR PI0719319 A 20071116; CA 2678131 A 20071116; CN 200780042460 A 20071116; EP 07822689 A 20071116; JP 2009536747 A 20071116