

Title (en)

METHOD AND SYSTEM FOR MONITORING GASTROINTESTINAL FUNCTION AND PHYSIOLOGICAL CHARACTERISTICS

Title (de)

VERFAHREN UND SYSTEM ZUR ÜBERWACHUNG DER MAGEN-DARM-FUNKTION UND PHYSIOLOGISCHER MERKMALE

Title (fr)

PROCÉDÉ ET SYSTÈME POUR SURVEILLER LA FONCTION GASTRO-INTESTINALE ET LES CARACTÉRISTIQUES PHYSIOLOGIQUES

Publication

EP 2273924 A4 20120718 (EN)

Application

EP 08755149 A 20080508

Priority

US 2008063005 W 20080508

Abstract (en)

[origin: WO2009136930A1] A system and method for evaluating gastrointestinal motility and, optionally, other physiological characteristics (e.g., pulse rate) that can be effectively employed to acquire one or more signals associated with acoustic energy (i.e. sound) emanating from an abdominal region of a body and determine at least one gastrointestinal parameter or event based on the acoustic energy signal(s) is described. The gastrointestinal parameter can include a gastrointestinal event, including gastrointestinal mixing, emptying, contraction and propulsion, and gastrointestinal transit time, or a gastrointestinal system disorder, including reflux disease, irritable bowel disease, ulcerative colitis, constipation, diarrhea, and a migrating motor complex disorder.

IPC 8 full level

A61B 8/00 (2006.01)

CPC (source: EP)

A61B 5/1123 (2013.01); **A61B 5/42** (2013.01); **A61B 5/4255** (2013.01); **A61B 7/008** (2013.01); **A61B 5/0205** (2013.01); **A61B 5/024** (2013.01); **A61B 5/0816** (2013.01); **A61B 5/145** (2013.01); **A61B 5/318** (2021.01)

Citation (search report)

- [X] US 5853005 A 19981229 - SCANLON MICHAEL V [US]
- [X] DE 102005053109 A1 20070510 - KOEHLER ULLRICH [DE], et al
- [X] US 2003153847 A1 20030814 - SANDLER RICHARD H [US], et al
- See references of WO 2009136930A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009136930 A1 20091112; CA 2723680 A1 20091112; CN 102170830 A 20110831; EP 2273924 A1 20110119; EP 2273924 A4 20120718; IL 209178 A0 20110131; JP 2011519663 A 20110714; KR 20110011666 A 20110208; MX 2010012218 A 20110728; ZA 201008241 B 20130424

DOCDB simple family (application)

US 2008063005 W 20080508; CA 2723680 A 20080508; CN 200880130318 A 20080508; EP 08755149 A 20080508; IL 20917810 A 20101107; JP 2011508466 A 20080508; KR 20107027593 A 20080508; MX 2010012218 A 20080508; ZA 201008241 A 20101117