

Title (en)
AUTONOMOUS DRUG DELIVERY SYSTEM

Title (de)
AUTONOMES ARZNEIMITTELABGABESYSTEM

Title (fr)
SYSTÈME DE D'ADMINISTRATION DE MÉDICAMENT AUTONOME

Publication
EP 3759719 A1 20210106 (EN)

Application
EP 19710910 A 20190227

Priority
• US 201815909359 A 20180301
• US 2019019885 W 20190227

Abstract (en)
[origin: WO2019169026A1] An autonomous drug delivery system advantageously utilizes physiological monitor outputs so as to automatically give a bolus of a rescue drug or other necessary medication when certain criteria and confidence levels are met. An emergency button is provided to manually trigger administration of the rescue drug. The rescue drug may be an opioid antagonist in response to an analgesia overdose, a hypotensive drug to avert an excessive drop in blood pressure or an anti-arrhythmia drug to suppress abnormal heartbeats, to name a few.

IPC 8 full level
G16H 40/60 (2018.01)

CPC (source: EP)
G16H 40/60 (2018.01)

Citation (examination)
• US 2012185267 A1 20120719 - KAMEN DEAN [US], et al
• WO 2007033025 A2 20070322 - ETHICON ENDO SURGERY INC [US], et al
• BRAZG RONALD L. ET AL: "The ASPIRE Study: Design and Methods of an In-Clinic Crossover Trial on the Efficacy of Automatic Insulin Pump Suspension in Exercise-Induced Hypoglycemia", JOURNAL OF DIABETES SCIENCE AND TECHNOLOGY, vol. 5, no. 6, 1 November 2011 (2011-11-01), US, pages 1466 - 1471, XP093082659, ISSN: 1932-2968, Retrieved from the Internet <URL:https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3262716/pdf/dst-05-1466.pdf> DOI: 10.1177/193229681100500621
• See also references of WO 2019169026A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019169026 A1 20190906; EP 3759719 A1 20210106; JP 2021515613 A 20210624; JP 7299230 B2 20230627

DOCDB simple family (application)
US 2019019885 W 20190227; EP 19710910 A 20190227; JP 2020545581 A 20190227