

Title (en)

Peristaltic pump having an adaptive variable speed control

Title (de)

Peristaltische Pumpe mit einer adaptiven Steuerung für die veränderliche Antriebsdrehgeschwindigkeit

Title (fr)

Pompe péristaltique ayant un réglage adaptif de la vitesse variable

Publication

EP 1835179 B1 20090311 (EN)

Application

EP 07103180 A 20070227

Priority

US 37545306 A 20060314

Abstract (en)

[origin: EP1835179A1] A peristaltic pump (10), comprises a rotatable shaft (24) and a roller head (14) carrying a plurality of rollers (16) mounted to the shaft, adapted in use to displace fluid along a segment of a flexible fluid channel (26), wherein the speed of rotation of the rollers may be varied. An adaptive variable speed control is provided which may be configured to accelerate rotation of the pump through known minimum flow points, and to decelerate rotation of the pump through known maximum flow points responsive to a pressure sensor (126), and/or a position encoder (25), or based on a variable or pre-set pump pulsation profile.

IPC 8 full level

F04B 43/12 (2006.01); **F04B 49/20** (2006.01)

CPC (source: EP US)

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

DOCDB simple family (publication)

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