

Title (en)
Peristaltic pump

Title (de)
Peristaltische Pumpe

Title (fr)
Pompe péristaltique

Publication
EP 0786596 B1 19981223 (FR)

Application
EP 97460007 A 19970123

Priority
FR 9601195 A 19960126

Abstract (en)
[origin: EP0786596A1] The pump consists of a flexible pipe (5) fitted round a rotor (3) which compresses it against a cam (7). The cam is able to pivot to vary the pressure on the pipe, and is controlled by a friction clutch (11) mounted on a pinion (9). The pinion is coupled with the rotor drive. The cam is pressed towards the rotor when the rotor turns in one direction and moves away from it in the other direction. The position of the cam is controlled by a lever (15) mounted behind it. The lever is pivoted at a point (16) close to the cam and can be adjusted to suit flexible pipes of different diameters. The pump can be made with a series of parallel flexible pipes round the rotor, at least one cam and a single control mechanism.

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F04B 43/12

IPC 8 full level
F04B 43/12 (2006.01)

CPC (source: EP)
F04B 43/1284 (2013.01); **F04B 43/1292** (2013.01)

Cited by
EP1705375A1; CN104895779A; EP2232074A4; CN110925176A; US7597546B2; US9713660B2; WO2004044425A1; US7300264B2; WO2009073212A1

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