

Title (en)

Peristaltic pump with an elastic external stator support.

Title (de)

Peristaltische Pumpe mit elastischer Statoraussenaufhängung.

Title (fr)

Pompe péristaltique à support élastique extérieur au stator.

Publication

EP 0570259 A1 19931118 (FR)

Application

EP 93401160 A 19930505

Priority

FR 9205794 A 19920513

Abstract (en)

The invention relates to a peristaltic pump comprising an electric motor (1) having a bearing (2) and an output shaft (4a) rotating about an axis of rotation (4b); a pump body (3) mounted stationary on the said bearing (2); a cylindrical casing (8) whose axis of symmetry (5) is parallel to the output shaft (4a); a rotor (6, 7) mounted fixedly on and rotationally driven by the output shaft (4a) inside the cylindrical casing (8); a planet wheel (9, 10) of the rotor (6, 7) rotationally driven inside the casing (8); a flexible tube (11) lining the internal lateral wall (18) of the casing (8) and compressed between the planet wheel (9, 10) and the lateral wall (18). According to the invention, the distance between the axis of rotation (4b) and the distal end of the rotor (6, 7)/planet wheel (9, 10) arrangement added to the thickness of the compressed tube (11) is greater than the radius of the cylindrical casing, the said cylindrical casing (8) being mounted elastically on the pump body (3) through the use of external elastic elements (12). <IMAGE>

IPC 1-7

F04B 43/12

IPC 8 full level

F04B 43/12 (2006.01)

CPC (source: EP)

F04B 43/1238 (2013.01); **F04B 43/1284** (2013.01)

Citation (search report)

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- [A] EP 0448937 A2 19911002 - SEL ALCATEL AG [DE]
- [A] DE 2153052 A1 19730503 - ALLEN LONGFORD & ASSOCIATES LT
- [A] FR 1129662 A 19570124

Cited by

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