

Title (en)

CONTROLLED CRINKLE DIAPHRAGM PUMP

Title (de)

GESTEUERTE FALTENMEMBRANPUMPE

Title (fr)

CIRCULATEUR A MEMBRANE ONDULANTE PILOTEE

Publication

EP 3721091 B1 20220209 (FR)

Application

EP 18811053 A 20181205

Priority

- FR 1761679 A 20171205
- EP 2018083704 W 20181205

Abstract (en)

[origin: CA3084583A1] Crinkle diaphragm pump (1) comprising: a body (2) inside which there is an internal chamber (2a) comprising an inlet opening and an outlet opening for fluid (22); a flexible diaphragm (3) placed inside the chamber in which it can crinkle. The pump further comprises: an actuating mechanism (4) comprising at least one motor (M) and a mechanical connection piece (41) connecting the motor (M) to the first edge of the diaphragm (31) in order to move it in a reciprocating motion. The pump also comprises a detection device (5) for detecting at least one value indicative of a movement of the diaphragm (3), a power supply unit delivering an electric power supply signal to the motor on the basis of a detection signal (Sd).

IPC 8 full level

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CPC (source: EP US)

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