

Title (en)
Positive displacement pump.

Title (de)
Verdrängungspumpe.

Title (fr)
Pompe à déplacement positif.

Publication
EP 0520943 B1 19950823 (DE)

Application
EP 92810442 A 19920610

Priority
CH 185191 A 19910622

Abstract (en)
[origin: EP0520943A1] In a positive displacement pump for incompressible fluids, which has two spiral-shaped discharge chambers (6) which lead from an inlet (2) outside the spiral to an outlet (3) inside the spiral, one spiral-shaped displacement body (5) each, which is arranged on a disk (4) and which projects into the discharge chamber (6), with a looping angle of 360 DEG is supported so as to perform a circular, torsion-free movement. The pressure in the outlet is kept constant in that the spring-supported (13) disk (4) with the displacement bodies (5) lifts from its sealing position as soon as the back pressure exceeds a predefined value. <IMAGE>

IPC 1-7
F04C 15/00; **F04C 2/02**

IPC 8 full level
F04C 2/02 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)
F04C 2/025 (2013.01); **F04C 15/0023** (2013.01)

Cited by
FR3043148A1; DE102007043324A1; DE202007019039U1

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DOCDB simple family (publication)
EP 0520943 A1 19921230; **EP 0520943 B1 19950823**; CH 683552 A5 19940331; DE 59203356 D1 19950928

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