

Title (en)

Arrangement for stabilizing the eccentric ring of a radial piston pump

Title (de)

Vorrichtung zur Stabilisierung des Exzenterrings einer Radialkolbenpumpe

Title (fr)

Dispositif pour la stabilisation de l'anneau excentrique d'une pompe à pistons radiaux

Publication

**EP 0816675 A3 19980909 (DE)**

Application

**EP 97110504 A 19970626**

Priority

- DE 19626399 A 19960701
- DE 19642735 A 19961016

Abstract (en)

[origin: EP0816675A2] The pistons support on flattened support surfaces of the eccentric ring located rotatably on an eccentric of the eccentric shaft. At least one support component arrangement is provided, which independently of the pressure conditions in the pump chamber (30), tensions a stabilisation part supporting on the pump housing against a stabilisation surface of the eccentric ring. For prevention of rotary/tipping vibrations of the eccentric ring (14) in the suction throttle drive a hydraulic displacement component arrangement (40) is provided, with which the eccentric ring is stabilised in each movement phase of the pump by active pressure application on the displacement component arrangement.

IPC 1-7

**F04B 1/053**

IPC 8 full level

**F04B 1/04** (2006.01); **F04B 1/053** (2006.01)

CPC (source: EP)

**F04B 1/053** (2013.01)

Citation (search report)

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DOCDB simple family (publication)

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