

Title (en)

ADJUSTMENT VALVE FOR ADJUSTING THE SUPPLY VOLUME OF A PRESSURE PUMP

Title (de)

VERSTELLVENTIL FÜR DIE VERSTELLUNG DES FÖRDERVOLUMENS EINER VERDRÄNGERPUMPE

Title (fr)

SOUPAPE DE RÉGLAGE DU VOLUME D'ALIMENTATION D'UNE POMPE VOLUMÉTRIQUE

Publication

**EP 3173624 A3 20170621 (DE)**

Application

**EP 16206318 A 20080709**

Priority

- DE 102007033146 A 20070713
- EP 08159994 A 20080709

Abstract (en)

[origin: EP2014919A2] The valve (20) has a valve housing (21), and a valve piston (22) that is movably supported in the valve housing, where the valve piston exhibits an absorption surface (23) for the valve adjustment pressure of the fluid. A valve spring (25) works along the force that is exerted by the valve adjustment pressure on the valve piston. A magnetic coil (27) and an anchor (28) are provided for adjusting the valve piston in a direction of force that is exerted by the valve adjustment pressure, where the coil and the anchor are elastically adjustable. An independent claim is also included for a displacement pump with an adjustable supply volume.

IPC 8 full level

**F04C 14/18** (2006.01); **F04C 2/18** (2006.01); **F04C 14/22** (2006.01)

CPC (source: EP US)

**F04C 14/185** (2013.01 - EP US); **F04C 14/223** (2013.01 - EP US); **F04C 2210/14** (2013.01 - EP US); **F04C 2270/18** (2013.01 - EP US); **F04C 2270/20** (2013.01 - EP US); **Y10T 137/86622** (2015.04 - EP US); **Y10T 137/86702** (2015.04 - EP US)

Citation (search report)

- [XY] FR 2326600 A1 19770429 - LUCAS INDUSTRIES LTD [GB]
- [X] US 6244839 B1 20010612 - COLE JACK H [US], et al
- [Y] EP 1555436 A2 20050720 - VOLKSWAGEN AG [DE]
- [A] DE 10324092 A1 20041216 - VOIGT DIETER [DE]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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