

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]

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DOCDB simple family (publication)

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