

Title (en)  
PRESSURE PUMP WITH ADJUSTMENT VALVE FOR ADJUSTING THE SUPPLY VOLUME

Title (de)  
VERDRÄNGERPUMPE MIT VERSTELLVENTIL FÜR DIE VERSTELLUNG DES FÖRDERVOLUMENS

Title (fr)  
POMPE VOLUMÉTRIQUE AVEC SOUPAPE DE RÉGLAGE DU VOLUME D'ALIMENTATION

Publication  
**EP 3173624 B1 20220126 (DE)**

Application  
**EP 16206318 A 20080709**

Priority  
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• 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)  
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