

Title (en)

PRESSURE CONTROL VALVE FOR A HYDRAULIC DEVICE, AND USE OF SAID PRESSURE CONTROL VALVE

Title (de)

DRUCKREGELVENTIL FÜR EINE HYDRAULISCHE EINRICHTUNG UND VERWENDUNG DES DRUCKREGELVENTILS

Title (fr)

SOUPAPE DE REGULATION DE PRESSION POUR UN DISPOSITIF HYDRAULIQUE ET UTILISATION DE CETTE SOUPAPE DE REGULATION

Publication

**EP 1716357 A1 20061102 (DE)**

Application

**EP 05707741 A 20050105**

Priority

- EP 2005050036 W 20050105
- DE 102004007662 A 20040217

Abstract (en)

[origin: WO2005080842A1] Disclosed is a pressure control valve (8) for a hydraulic device, particularly a fuel supply system of a motor vehicle, comprising a valve seat (10) that is disposed between a valve member (13) and a spring element (16) for biasing the valve member (13) counter to the valve seat (10). The valve member (13) and the spring element (16) are interconnected via a traction element (14) such that the valve member (13) is reliably guided towards the valve seat (10) without using any additional guiding elements.

IPC 8 full level

**F16K 15/04** (2006.01); **F16K 17/04** (2006.01); **F02M 69/54** (2006.01)

CPC (source: EP KR US)

**F02M 69/54** (2013.01 - KR); **F16K 15/044** (2013.01 - EP KR US); **F16K 17/0406** (2013.01 - EP KR US); **F16K 27/0209** (2013.01 - KR); **F02M 69/54** (2013.01 - EP US); **Y10T 137/7928** (2015.04 - EP US)

Citation (search report)

See references of WO 2005080842A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 2005080842 A1 20050901**; CN 1918415 A 20070221; CN 1918415 B 20100414; DE 102004007662 A1 20050908; DE 102004007662 B4 20110210; EP 1716357 A1 20061102; KR 20060127948 A 20061213; US 2008202478 A1 20080828

DOCDB simple family (application)

**EP 2005050036 W 20050105**; CN 200580005062 A 20050105; DE 102004007662 A 20040217; EP 05707741 A 20050105; KR 20067015415 A 20060728; US 58882205 A 20050105