

Title (en)

HYDRAULICALLY CONTROLLED VALVE COMPRISING AT LEAST ONE HYDRAULIC DRIVE UNIT

Title (de)

HYDRAULISCH GESTEUERTES VENTIL MIT MINDESTENS EINEM HYDRAULISCHEN ANTRIEB

Title (fr)

SOUPAPE A COMMANDE HYDRAULIQUE POURVUE D'AU MOINS UNE UNITE DE COMMANDE HYDRAULIQUE

Publication

**EP 1540191 A1 20050615 (DE)**

Application

**EP 04738137 A 20040810**

Priority

- CH 2004000498 W 20040810
- CH 14652003 A 20030827

Abstract (en)

[origin: US2006011875A1] A hydraulically controlled valve includes at least one hydraulic drive unit that is provided with a control piston to which a control tappet is connected. The control tappet acts upon a flow control mechanism of the valve for controlling the flow of hydraulic oil from or to a consumer. The control piston can be moved towards a control spring by a control pressure  $P_{<SUB>X</SUB>}$ . The control piston has a first step and a second step which have different diameters. A connection having a throttle point is provided between a primary control pressure chamber and a secondary control pressure chamber. The valve creates a throttle effect with the aid of which vibrations are dampened.

IPC 1-7

**F15B 13/042**; F15B 13/01; F16K 15/18; F16K 47/00

IPC 8 full level

**F15B 13/01** (2006.01); **F15B 21/04** (2006.01)

CPC (source: EP US)

**F15B 11/003** (2013.01 - EP US); **F15B 13/01** (2013.01 - EP US); **F15B 21/008** (2013.01 - EP US); **F15B 2211/50545** (2013.01 - EP US)

Citation (search report)

See references of WO 2005021978A1

Cited by

CN111397894A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2006011875 A1 20060119**; AT E315729 T1 20060215; DE 20314232 U1 20041021; DE 502004000243 D1 20060406; EP 1540191 A1 20050615; EP 1540191 B1 20060111; JP 2006515661 A 20060601; WO 2005021978 A1 20050310

DOCDB simple family (application)

**US 53321305 A 20050428**; AT 04738137 T 20040810; CH 2004000498 W 20040810; DE 20314232 U 20030912; DE 502004000243 T 20040810; EP 04738137 A 20040810; JP 2005518208 A 20040810