

Title (en)

Fluid control valve

Title (de)

Ventil zum Steuern von Flüssigkeiten

Title (fr)

Vanne de commande de fluide

Publication

EP 0909891 B1 20020529 (DE)

Application

EP 98111325 A 19980619

Priority

DE 19746143 A 19971018

Abstract (en)

[origin: EP0909891A1] The valve piston (25) moves in a guide bore (28) with a leak path formed between the surface of the piston and the bore wall. The leak path connects a coupling chamber (30) to a low pressure chamber (18) containing a hydraulic pressure medium. A filling valve (33) is provided in the connection, located on the piston, which actuates the valve member (22). Preferably a control chamber (41) is provided between coupling chamber and filling valve,

IPC 1-7

F02M 47/02; **F16K 31/00**

IPC 8 full level

F02M 47/00 (2006.01); **F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F02M 59/46** (2006.01); **F02M 61/20** (2006.01); **F16K 31/00** (2006.01); **F16K 31/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US); **F02M 63/0035** (2013.01 - EP US); **F02M 2200/706** (2013.01 - EP US); **F02M 2547/003** (2013.01 - EP US)

Cited by

EP1406006A1; FR2815085A1; US6729554B2; WO2016059059A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0909891 A1 19990421; **EP 0909891 B1 20020529**; DE 19746143 A1 19990422; DE 59804229 D1 20020704; JP H11241781 A 19990907; US 6142443 A 20001107

DOCDB simple family (application)

EP 98111325 A 19980619; DE 19746143 A 19971018; DE 59804229 T 19980619; JP 29362998 A 19981015; US 17440498 A 19981019