

Title (en)
Pilot operated filling valve

Title (de)
Hydraulisch entsperrbares Füllventil

Title (fr)
Soupape de remplissage pilotée

Publication
EP 1039146 B1 20040825 (DE)

Application
EP 00105865 A 20000320

Priority
DE 29905322 U 19990323

Abstract (en)
[origin: EP1039146A1] The filling valve (F) has a valve element (V) with a shaft (4), adjustable relative to a valve seat (P). The shaft is in a setting device (E). It can be moved by the unlocking drive against a return force from a closed position to a preset open position, bringing a counter-stop (R) on the shaft against a fixed stop (S). An impact damping device (G) is fitted in the setting device between the counter-stop and the stop.

IPC 1-7
F15B 15/22

IPC 8 full level
B30B 15/18 (2006.01); **F15B 13/04** (2006.01); **F15B 15/22** (2006.01)

CPC (source: EP)
B30B 15/183 (2013.01); **F15B 13/0407** (2013.01); **F15B 15/226** (2013.01); **F15B 15/227** (2013.01)

Cited by
WO2006089518A1; CN108730252A; WO2006089515A1

Designated contracting state (EPC)
AT DE IT

DOCDB simple family (publication)
EP 1039146 A1 20000927; **EP 1039146 B1 20040825**; AT E274647 T1 20040915; DE 29905322 U1 19990624; DE 50007535 D1 20040930

DOCDB simple family (application)
EP 00105865 A 20000320; AT 00105865 T 20000320; DE 29905322 U 19990323; DE 50007535 T 20000320