

Title (en)
Valve

Title (de)
Ventil

Title (fr)
Distributeur

Publication
EP 1130272 B1 20061025 (DE)

Application
EP 01102432 A 20010203

Priority
DE 10010690 A 20000304

Abstract (en)
[origin: EP1130272A2] The valve has control unit (8) with a valve slider (12), which delivers control forces (S1,S2), to produce switching movements in first (23) and second (24) switching directions and move the valve slider in different switching positions. The movements are assisted by a drive unit with a spring device. In the first switch movement, the slider is moved from a first switching position into an end switching position by an impact device fixed in the casing, in which it is held by the first control force. In the second switch direction, the slider is moved out of the first position by the second control force. At least one drive unit (43) has a spring device (44) to begin the first switch movement through the kinetic energy of the control unit. The spring force (FS) generates the second control force by hydraulically-generated operation forces (FB), to begin the second switching movement.

IPC 8 full level
F15B 13/04 (2006.01); **F15B 13/043** (2006.01)

CPC (source: EP US)
F15B 13/0402 (2013.01 - EP US); **F15B 13/043** (2013.01 - EP US); **Y10T 137/86614** (2015.04 - EP US); **Y10T 137/8663** (2015.04 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1130272 A2 20010905; EP 1130272 A3 20031029; EP 1130272 B1 20061025; DE 10010690 A1 20010913; DE 10010690 B4 20040325; DE 50111295 D1 20061207; ES 2269235 T3 20070401; US 2001032677 A1 20011025; US 6450202 B2 20020917

DOCDB simple family (application)
EP 01102432 A 20010203; DE 10010690 A 20000304; DE 50111295 T 20010203; ES 01102432 T 20010203; US 78557501 A 20010216