

Title (en)
VALVE CONTROL DEVICE

Publication
EP 0279267 B1 19910703 (DE)

Application
EP 88101417 A 19880202

Priority
DE 3704743 A 19870214

Abstract (en)
[origin: US4840160A] A control device for a valve arranged in a fuel injection line of an internal combustion engine and closable to build up of injection pressure at an injection nozzle wherein a play adjusting element is arranged between a valve body of the valve and a drive element, characterized in that the adjusting element (14) is provided with two pistons (15, 22) guided in a housing (13), the first piston (15) is acted upon by the drive element and the second piston(22) acts upon the valve body, and the housing (13) accommodates between the pistons (15, 22) an oil-containing pressure chamber (23) which is sealed against the valve (1, 2) and accommodates a pressure spring (24) acting upon the pistons (15, 22).

IPC 1-7
F01L 1/24; **F02M 59/46**

IPC 8 full level
F02M 55/02 (2006.01); **F01L 1/24** (2006.01); **F01L 1/245** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F01L 1/245 (2013.01 - EP US); **F02M 59/366** (2013.01 - EP US); **F02M 59/466** (2013.01 - EP US); **F02M 59/468** (2013.01 - EP US); **F02M 2200/703** (2013.01 - EP US); **Y10T 137/7774** (2015.04 - EP US)

Cited by
CN114715287A

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0279267 A1 19880824; **EP 0279267 B1 19910703**; DE 3704743 A1 19880825; DE 3863439 D1 19910808; ES 2022930 B3 19911216; JP S63201367 A 19880819; US 4840160 A 19890620

DOCDB simple family (application)
EP 88101417 A 19880202; DE 3704743 A 19870214; DE 3863439 T 19880202; ES 88101417 T 19880202; JP 3103888 A 19880215; US 15480288 A 19880211