

Title (en)

DEVICE FOR CONTROLLING THE EXHAUST VALVE OF AN INTERNAL COMBUSTION PISTON ENGINE

Publication

EP 0441100 B1 19930428 (DE)

Application

EP 90810973 A 19901212

Priority

CH 40290 A 19900208

Abstract (en)

[origin: EP0441100A1] At its end facing away from the closure part, the exhaust valve (2) is in operative connection with a servo piston (11) guided in a servo cylinder (13). During the power stroke of the engine, the servo piston is stressed in the valve opening direction by a hydraulic pressure medium, which is fed to the servo cylinder (13) from a pressure medium source (18) via a pressure medium conduit (17,27). A pilot control valve (15) actuated by an electromagnet (14) and a 4/2-way valve (16) are arranged between the pressure medium source (18) and the servo cylinder (13). The position of the 4/2-way valve (16) is dependent on the position of the pilot control valve (15).

IPC 1-7

F01L 9/02; **F01L 25/06**

IPC 8 full level

F01L 9/10 (2021.01); **F01L 25/06** (2006.01)

CPC (source: EP KR)

F01L 9/10 (2021.01 - EP); **F01L 25/02** (2013.01 - KR); **F01L 25/06** (2013.01 - EP)

Citation (examination)

GB 2102065 A 19830126 - SULZER AG [CH]

Cited by

EP0539320A1; DE10154339A1; DE102013220555A1; DE102013220555B4; US7007642B2; WO2004022929A1

Designated contracting state (EPC)

CH DE DK FR GB IT LI NL

DOCDB simple family (publication)

EP 0441100 A1 19910814; **EP 0441100 B1 19930428**; DE 59001316 D1 19930603; DK 0441100 T3 19930601; JP 3126741 B2 20010122; JP H04214914 A 19920805; KR 100192602 B1 19990615; KR 910015774 A 19910930

DOCDB simple family (application)

EP 90810973 A 19901212; DE 59001316 T 19901212; DK 90810973 T 19901212; JP 1612491 A 19910207; KR 900021243 A 19901221