

Title (en)

Valve return device motor provided with such a device

Title (de)

Ventilrückholvorrichtung und Motor mit solcher Vorrichtung

Title (fr)

Dispositif de rappel d'une soupape et moteur équipé d'un tel dispositif

Publication

EP 1577508 B1 20070411 (FR)

Application

EP 05290548 A 20050311

Priority

FR 0402764 A 20040317

Abstract (en)

[origin: EP1577508A1] The device has a pressurized fluid supply (12) connected to a cylinder (11) by a supply pipe (13). A pressure relief valve (15) is connected to the cylinder (11) by an outlet channel (16), and to the supply (12) by a by-pass channel (17). The valve (15) limits pressure in the cylinder to maximum pressure. The channel (17) and a return spring (24) permit to adjust maximum pressure based on supply pressure following pressure law. An independent claim is also included for an internal combustion engine including a restoring device.

IPC 8 full level

F01L 1/46 (2006.01); **F01L 3/24** (2006.01); **F01L 1/12** (2006.01)

CPC (source: EP US)

F01L 1/465 (2013.01 - EP US)

Cited by

AT526848A4; AT526848B1; US11619148B2; WO2020038574A1; EP3841287B1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 1577508 A1 20050921; **EP 1577508 B1 20070411**; AU 2005201158 A1 20051006; CA 2500689 A1 20050917; DE 602005000844 D1 20070524; DE 602005000844 T2 20071213; ES 2285652 T3 20071116; FR 2867807 A1 20050923; FR 2867807 B1 20060707; JP 2005264942 A 20050929; US 2005217619 A1 20051006; US 7249580 B2 20070731

DOCDB simple family (application)

EP 05290548 A 20050311; AU 2005201158 A 20050317; CA 2500689 A 20050315; DE 602005000844 T 20050311; ES 05290548 T 20050311; FR 0402764 A 20040317; JP 2005074435 A 20050316; US 8118805 A 20050316