

Title (en)

Hydraulic valve lash adjuster for internal combustion engines.

Title (de)

Hydraulisches Ventilspielausgleichselement für Brennkraftmaschinen.

Title (fr)

Compensateur hydraulique du jeu de soupapes pour moteurs à combustion interne.

Publication

**EP 0473887 B1 19940302 (DE)**

Application

**EP 91109577 A 19910611**

Priority

DE 4026793 A 19900824

Abstract (en)

[origin: US5107806A] A hydraulic valve-clearance compensating element for internal combustion engines in which an internal valve stem is capable of being axially shifted relative to an external stem such that, together with the latter, it delimits an oil-filled storage chamber. The volume of the storage chamber may be altered and is sealed to the outside by a gasket. At least one compressible displacement member is included in the storage chamber to offset changes in volume. This displacement member is made of a closed-celled soft foam with a non-porous surface layer.

IPC 1-7

**F01L 1/24**

IPC 8 full level

**F01L 1/24** (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP US)

**F01L 1/25** (2013.01 - EP US); **Y10T 74/2107** (2015.01 - EP US)

Cited by

EP0568157A1; EP0555521A1; WO9419597A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0473887 A2 19920311**; **EP 0473887 A3 19920701**; **EP 0473887 B1 19940302**; DE 4026793 A1 19920305; DE 59101085 D1 19940407; ES 2050014 T3 19940501; JP H04234509 A 19920824; US 5107806 A 19920428

DOCDB simple family (application)

**EP 91109577 A 19910611**; DE 4026793 A 19900824; DE 59101085 T 19910611; ES 91109577 T 19910611; JP 21220491 A 19910823; US 74827291 A 19910821