

Title (en)

POPPET VALVE CONTROL DEVICE FOR A RECIPROCATING PISTON INTERNAL-COMBUSTION ENGINE

Publication

EP 0245614 B1 19900926 (DE)

Application

EP 87103881 A 19870317

Priority

DE 3616540 A 19860516

Abstract (en)

[origin: US4762095A] A fuel-exchange poppet valve of a reciprocating internal-combustion engine is actuated by two electromagnets that, in an alternating way, are energized periodically to attract an armature disk arranged between them. The armature disk is fastened at an armature that is coupled to a one-armed fuel-exchange poppet valve control lever. The control lever is pivotally moved back and forth against the spring tension of a torsional bar spring to open and close a poppet valve.

IPC 1-7

F01L 1/16; **F01L 3/10**; **F01L 9/04**

IPC 8 full level

F01L 1/18 (2006.01); **F01L 9/20** (2021.01); **F01L 1/16** (2006.01); **F01L 1/46** (2006.01); **F01L 3/10** (2006.01)

CPC (source: EP US)

F01L 1/16 (2013.01 - EP US); **F01L 1/462** (2013.01 - EP US); **F01L 9/20** (2021.01 - EP US); **F01L 2009/2109** (2021.01 - EP)

Cited by

EP1087110A1; FR2792451A1; EP0405187A1; EP0861970A1; US6062181A; US6427650B1; US6516758B1; WO0029722A1; WO0029723A1; WO2015139692A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0245614 A1 19871119; **EP 0245614 B1 19900926**; DE 3616540 A1 19871119; DE 3616540 C2 19891130; DE 3765167 D1 19901031; ES 2018491 B3 19910416; JP S62271915 A 19871126; US 4762095 A 19880809

DOCDB simple family (application)

EP 87103881 A 19870317; DE 3616540 A 19860516; DE 3765167 T 19870317; ES 87103881 T 19870317; JP 11723087 A 19870515; US 5039187 A 19870518