

Title (en)

Electromagnetic valve actuator in an internal combustion engine

Title (de)

Elektromagnetischer Hubventilaktuator in einer Brennkraftmaschine

Title (fr)

Actionneur électromagnétique de soupape de moteur à combustion interne

Publication

EP 1174596 B1 20051221 (FR)

Application

EP 01401949 A 20010719

Priority

FR 0009546 A 20000720

Abstract (en)

[origin: EP1174596A1] The valve activator comprises an electromagnet (1) comprising a supply reel (2) and a magnetic armature (15) connected to a valve (17) driving part (16) against the action of a commutation energy storage spring (18,19). A permanent magnet (5) interposed in the electromagnet body has its magnetization combined with the field generated in the body by the supply reel.

IPC 1-7

F01L 9/04

IPC 8 full level

F01L 9/20 (2021.01)

CPC (source: EP)

F01L 9/20 (2021.01)

Cited by

EP1568858A3; FR2851292A1; EP1450012A1; US7182051B2; US7111595B2; US7146943B2; US7097150B2; US7487749B2

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DOCDB simple family (publication)

EP 1174596 A1 20020123; EP 1174596 B1 20051221; AT E313702 T1 20060115; DE 60116000 D1 20060126; DE 60116000 T2 20060727; ES 2250321 T3 20060416; FR 2812025 A1 20020125; FR 2812025 B1 20030124

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