

Title (en)

ELECTROMAGNETIC ACTUATOR FOR ACTUATING A GAS-EXCHANGING VALVE

Title (de)

ELEKTROMAGNETISCHER AKTUATOR ZUR BETÄTIGUNG EINES GASWECHSELVENTILS

Title (fr)

ACTIONNEUR ELECTROMAGNETIQUE POUR L'ACTIONNEMENT D'UNE SOUPAPE D'ECHANGE DE GAZ

Publication

EP 1029159 A1 20000823 (DE)

Application

EP 98951332 A 19980829

Priority

- DE 19744714 A 19971010
- EP 9805510 W 19980829

Abstract (en)

[origin: DE19744714C1] The actuator operates a valve (7) which has a valve shaft (8). A moving coil (12) is coaxial with and connected to the valve shaft. The coil dips into a radially magnetised air gap (11) of an annular, axially magnetised permanent magnet (10).

IPC 1-7

F01L 9/04

IPC 8 full level

F01L 9/20 (2021.01)

CPC (source: EP US)

F01L 9/20 (2021.01 - EP US); **F01L 2009/2105** (2021.01 - EP US)

Citation (search report)

See references of WO 9919609A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19744714 C1 19990311; EP 1029159 A1 20000823; US 6274954 B1 20010814; WO 9919609 A1 19990422

DOCDB simple family (application)

DE 19744714 A 19971010; EP 9805510 W 19980829; EP 98951332 A 19980829; US 52921900 A 20000410