

Title (en)

ELECTROMAGNETIC ACTUATOR WITH HYDRAULIC VALVE ANTI-BACKLASH ELEMENT

Title (de)

ELEKTROMAGNETISCHER AKTUATOR MIT HYDRAULISCHEM VENTILSPIELAUSGLEICHSELEMENT

Title (fr)

ACTUATEUR ELECTROMAGNETIQUE AVEC ELEMENT HYDRAULIQUE DE COMPENSATION DU JEU DE SOUPAPE

Publication

EP 1187971 B1 20040818 (DE)

Application

EP 00920527 A 20000321

Priority

- DE 19928006 A 19990618
- EP 0002490 W 20000321

Abstract (en)

[origin: DE19928006A1] The engine valve operating device has an actuator (2) mounted on the cylinder head of the engine, for acting on the engine valve which is biased in the closed direction via a valve spring (4). The actuator has a pressure-responsive setting element (5) subjected to a reaction force provided by the actuator upon opening of the valve, for linear or angular adjustment of the actuator when a minimum reaction force is exceeded.

IPC 1-7

F01L 9/04

IPC 8 full level

F01L 1/24 (2006.01); **F01L 9/20** (2021.01)

CPC (source: EP)

F01L 1/24 (2013.01); **F01L 9/20** (2021.01); **F01L 2009/2109** (2021.01)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

DE 19928006 A1 20001221; AU 4107400 A 20010109; DE 50007497 D1 20040923; EP 1187971 A1 20020320; EP 1187971 B1 20040818; WO 0079105 A1 20001228

DOCDB simple family (application)

DE 19928006 A 19990618; AU 4107400 A 20000321; DE 50007497 T 20000321; EP 0002490 W 20000321; EP 00920527 A 20000321