

Title (en)

VALVE DRIVE FOR A GAS EXCHANGE VALVE

Title (de)

VENTILANTRIEB FÜR EIN GASWECHSELVENTIL

Title (fr)

MECANISME DE COMMANDE POUR SOUPAPE DE CHANGEMENT DES GAZ

Publication

**EP 1636465 A1 20060322 (DE)**

Application

**EP 04724022 A 20040329**

Priority

- EP 2004050387 W 20040329
- DE 10323657 A 20030526
- DE 10341698 A 20030910

Abstract (en)

[origin: WO2004104380A1] The invention relates to a valve drive for a gas exchange valve (11) in an engine or a machine, said drive comprising a magnetic armature (12) that extends in a longitudinally displaceable manner inside a stator (1) provided with a current coil (23), with a preferably hollow cylindrical section thereof located at a distance from the gas exchange valve (11), in such a way that an end of the armature (12) protruding from the stator (1) actuates the gas exchange valve (11) when the current coil (23) is excited. The armature (12) and the stator (1) together form an independently operable, preferably functionally pre-testable module that is detachably connected to the gas exchange valve (11).

IPC 1-7

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

IPC 8 full level

**F01L 3/10** (2006.01); **F01L 9/04** (2006.01); **F01L 9/20** (2021.01)

CPC (source: EP US)

**F01L 3/10** (2013.01 - EP US); **F01L 9/20** (2021.01 - EP US); **H02K 41/031** (2013.01 - EP US); **F01L 2009/2105** (2021.01 - EP US); **H02K 1/2733** (2013.01 - EP US); **H02K 1/30** (2013.01 - EP US); **H02K 7/003** (2013.01 - EP US); **H02K 7/08** (2013.01 - EP US); **H02K 2207/03** (2013.01 - EP US)

Citation (search report)

See references of WO 2004104380A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**WO 2004104380 A1 20041202**; EP 1636465 A1 20060322; JP 2007511693 A 20070510; JP 4594311 B2 20101208; US 2006231783 A1 20061019

DOCDB simple family (application)

**EP 2004050387 W 20040329**; EP 04724022 A 20040329; JP 2006530163 A 20040329; US 55846405 A 20051128