

Title (en)

PRESSURE SUPPLY DEVICE FOR ELECTROHYDRAULIC VALVE CONTROL OF GAS EXCHANGE VALVES IN INTERNAL COMBUSTION ENGINES

Title (de)

DRUCKVERSORGUNGSEINRICHTUNG FÜR EINE ELEKTROHYDRAULISCHE VEN TILSTEUERUNG VON GASWECHSELVENTILEN IN BRENNKRAFTMASCHINEN

Title (fr)

DISPOSITIF D'ALIMENTATION EN PRESSION POUR UNE COMMANDE ELECTROHYDRAULIQUE DE SOUPAPES D'ECHANGE GAZEUX DANS DES MOTEURS A COMBUSTION

Publication

EP 1504173 A1 20050209 (DE)

Application

EP 02805689 A 20021212

Priority

- DE 0204545 W 20021212
- DE 10219786 A 20020503

Abstract (en)

[origin: WO03093655A1] Disclosed is a pressure supply device for electrohydraulic valve control of gas exchange valves in internal combustion engines, comprising a fluid reservoir (12), a fluid outlet (11) for connection of the valve control and a high pressure pump which removes fluid from the fluid reservoir (12) and pumps it at high pressure to the fluid outlet (11). In order to obtain a high degree of efficiency and high system dynamics, the high pressure pump is embodied in the form of a constant pump (14) provided with an inlet and an outlet (141, 142). The pump outlet (142) can be alternately connected by means of a reversing valve to the fluid outlet (11) and to the fluid reservoir (12) when the fluid outlet (11) is closed.

IPC 1-7

F01L 9/02

IPC 8 full level

F01L 9/10 (2021.01)

CPC (source: EP US)

F01L 9/10 (2021.01 - EP US); **F01L 2800/00** (2013.01 - EP US)

Citation (search report)

See references of WO 03093655A1

Designated contracting state (EPC)

CH CY CZ DE FR GB IT LI

DOCDB simple family (publication)

WO 03093655 A1 20031113; DE 10219786 A1 20031113; EP 1504173 A1 20050209; US 2004211378 A1 20041028

DOCDB simple family (application)

DE 0204545 W 20021212; DE 10219786 A 20020503; EP 02805689 A 20021212; US 48051304 A 20040615