

Title (en)

Internal combustion engine with at least two over head cam shafts

Title (de)

Brennkraftmaschine mit zumindest zwei obenliegenden Nockenwellen

Title (fr)

Moteur à combustion interne avec au moins deux arbres à cames en tête

Publication

EP 1249582 A3 20030108 (DE)

Application

EP 02006171 A 20020319

Priority

DE 10118119 A 20010411

Abstract (en)

[origin: EP1249582A2] The internal combustion engine has at least 2 overhead camshafts (4,5), especially for inlet and exhaust valves. Holders (19,20) for control valves (15,16) are in the form of separate flange holders with an insertion bore on the cylinder head directly above the radial bearing for the camshaft. The control valves are arranged adjacent to each other with their cartridges facing away from each other and electromagnets (23,24) facing on a common axis.

IPC 1-7

F01L 1/34; **F01L 1/344**; **F02D 13/02**

IPC 8 full level

F01L 1/34 (2006.01); **F01L 1/344** (2006.01); **F02D 13/02** (2006.01)

CPC (source: EP US)

F01L 1/34 (2013.01 - EP US); **F01L 1/3442** (2013.01 - EP US); **F01L 2001/028** (2013.01 - EP US); **F01L 2001/0537** (2013.01 - EP US); **F01L 2001/34433** (2013.01 - EP US); **F01L 2001/34489** (2013.01 - EP US); **F02B 2275/18** (2013.01 - EP US)

Citation (search report)

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- [A] DE 19816254 A1 19991014 - SCHAEFFLER WAEELZLAGER OHG [DE]
- [A] EP 0945598 A2 19990929 - YAMAHA MOTOR CO LTD [JP]
- [A] EP 1046793 A2 20001025 - FORD GLOBAL TECH INC [US]

Cited by

EP1865157A1; DE102010006414A1; US7395802B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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