

Title (en)  
Disconnectable supporting element for valve drive in an internal combustion engine

Title (de)  
Schaltbares Abstützelement für einen Ventiltrieb einer Brennkraftmaschine

Title (fr)  
Butée désactivable pour commande de soupape de moteur à combustion interne

Publication  
**EP 1411214 A3 20071226 (DE)**

Application  
**EP 03021704 A 20030925**

Priority  
DE 10247949 A 20021015

Abstract (en)  
[origin: EP1411214A2] The switched valve support unit (1), for an internal combustion motor valve, has an outer mantle surface (2) as an outer section (3) for fitting into the motor cylinder head. Its hollow interior (4) contains a component (5) with axial movements, with a head (6) at one end supporting a cam follower running with a hydraulic play compensation unit (7). The outer section and the axially moving component are selectively linked together by a coupling (8) when in axially displaced relative settings. The valve support has a single flow supply for the coupling and the play compensation unit.

IPC 8 full level  
**F01L 13/00** (2006.01); **F01L 1/24** (2006.01)

CPC (source: EP)  
**F01L 1/2405** (2013.01); **F01L 13/0005** (2013.01)

Citation (search report)

- [A] DE 19710578 A1 19980917 - SCHAEFFLER WAE LZLAGER OHG [DE]
- [A] DE 19500575 A1 19960718 - SCHAEFFLER WAE LZLAGER KG [DE]
- [A] DE 2434831 A1 19760129 - DAIMLER BENZ AG
- [A] EP 0351033 A1 19900117 - FUJI VALVE [JP]

Cited by  
EP1881166A1; DE102007041928A1; US8387590B2; DE102007041929A1; DE102007041844A1; DE102007002787A1; WO2006037422A1; WO2009053223A1; WO2009030564A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK

DOCDB simple family (publication)  
**EP 1411214 A2 20040421**; **EP 1411214 A3 20071226**; **EP 1411214 B1 20100421**; AT E465327 T1 20100515; DE 10247949 A1 20040429; DE 50312638 D1 20100602

DOCDB simple family (application)  
**EP 03021704 A 20030925**; AT 03021704 T 20030925; DE 10247949 A 20021015; DE 50312638 T 20030925