

Title (en)

Hydraulic tappet.

Title (de)

Hydraulischer Stößel.

Title (fr)

Poussoir hydraulique.

Publication

EP 0395311 A1 19901031 (EN)

Application

EP 90304249 A 19900420

Priority

IT 2021389 A 19890420

Abstract (en)

A hydraulic tappet to provide more rapid compensation for play between a cam and a valve stem, comprises a diagonal duct (46) by-passing a ball-valve (44) when the tappet has collapsed, eg. after a period of non-use, so that the inner oil reservoir (16) can communicate directly with the high pressure chamber (18). In one embodiment, provision is made for a diaphragm (38) having a bore (36) to be placed on top of the inner reservoir (16) to stop all the oil draining away from the inner reservoir. According to another embodiment, the latter is provided with horizontal ducts (54) in lieu of the diagonal duct (46) to ensure direct communication with a blow-by region or leakdown path (48).

IPC 1-7

F01L 1/24

IPC 8 full level

F01L 1/25 (2006.01)

CPC (source: EP)

F01L 1/25 (2013.01)

Citation (search report)

- [X] DE 3418707 A1 19851024 - DAIMLER BENZ AG [DE]
- [X] DE 1808000 A1 19700527 - KUECHEN SEN RICHARD
- [A] DE 3800945 C1 19890216

Cited by

EP0857857A1; CN110645064A; DE19503699A1; US5595149A; DE4339453A1; DE4339453C2; EP0485007A1; US5119774A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0395311 A1 19901031; EP 0395311 B1 19930616; DE 69001950 D1 19930722; DE 69001950 T2 19931111; IT 1230011 B 19910920; IT 8920213 A0 19890420

DOCDB simple family (application)

EP 90304249 A 19900420; DE 69001950 T 19900420; IT 2021389 A 19890420