

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

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