

Title (en)
Valve clearance adjusting device

Title (de)
Vorrichtung zum Ventilspielausgleich

Title (fr)
Dispositif de compensation du jeu des soupapes

Publication
EP 0663515 B1 19970423 (DE)

Application
EP 94119725 A 19941214

Priority
DE 4400876 A 19940114

Abstract (en)
[origin: EP0663515A1] The thrust rod (1) with a ball-shaped end bearing component (13) is hydraulically located in a cup (7) accommodating the swing lever (2). The cup has a feed channel (16) for hydraulic oil connected to the engine lubricating oil circuit. The bearing component consists of a ball which is supported in a ball bowl, which runs out into a cylindrical bore (26). Alternatively the bearing component may be a piston which is held in a cylindrical bore of the swing lever. The feed channel issues in the centre of the ball bowl and consists of a bore with relatively small dia. It has a check valve (17) which comprises a small ball (18) in the channel which it opens or closes dependent upon the position of the swing lever on a cam of the camshaft.

IPC 1-7
F01L 1/24; **F01L 1/14**; **F01L 1/18**; **F01L 1/16**

IPC 8 full level
F01L 1/14 (2006.01); **F01L 1/16** (2006.01); **F01L 1/18** (2006.01); **F01L 1/24** (2006.01)

CPC (source: EP)
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EP 94119725 A 19941214; DE 4400876 A 19940114; DE 59402517 T 19941214