

Title (en)
AUTOMATIC HYDRAULIC ADJUSTING VALVE LIFTER

Publication
EP 0337242 B1 19920122 (DE)

Application
EP 89105848 A 19890404

Priority
DE 3812333 A 19880414

Abstract (en)
[origin: US4867114A] A self-adjusting hydraulic valve tappet disposed in a guide bore of a cylinder head of an internal combustion engine and comprising a cup-shaped housing comprised of a hollow cylindrical wall closed at one end by an end member against the outside of which a cam of a camshaft abuts whereby the actual hydraulic play compensating element is guided for longitudinal movement in a bore of a radial flange located at a distance from the end member, the bore being concentric with the hollow cylindrical wall and the radial flange as separate component consisting of a material having a higher coefficient of expansion than steel and being inserted and fixed in the bore of the hollow cylindrical wall with its external mantle surface in a liquid-proof manner, characterized in that between the end member on one side and the radial flange on the other side a hollow tubular element is disposed which under axial pre-tension bears with one of its axial ends against the end member and with its other axial end against the radial flange whereby at least one oil transfer opening is provided between the other end of the hollow tubular element and the radial flange.

IPC 1-7
F01L 1/24

IPC 8 full level
F01L 1/24 (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP US)
F01L 1/25 (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0337242 A1 19891018; EP 0337242 B1 19920122; BR 8901793 A 19891128; DE 3812333 A1 19891026; DE 58900743 D1 19920305; ES 2028400 T3 19920701; JP H01301907 A 19891206; JP H0561442 B2 19930906; RU 1771515 C 19921023; US 4867114 A 19890919

DOCDB simple family (application)
EP 89105848 A 19890404; BR 8901793 A 19890414; DE 3812333 A 19880414; DE 58900743 T 19890404; ES 89105848 T 19890404; JP 9199089 A 19890413; SU 4613784 A 19890410; US 31645689 A 19890227