

Title (en)
Hydraulic valve tappet.

Title (de)
Hydraulisches Ventilspielausgleichselement.

Title (fr)
Poussoir de soupape hydraulique.

Publication
EP 0555521 B1 19951025 (DE)

Application
EP 92114351 A 19920822

Priority
DE 4203897 A 19920211

Abstract (en)
[origin: EP0555521A1] Hydraulic valve clearance compensation element for the valve gear of an internal combustion engine, comprising an inner tappet (1) and an outer tappet (2) which are arranged in such a way that they can move relative to one another in the axial direction, the outer tappet (2) being formed by an essentially cup-shaped housing with a flat base and the inner tappet (1) and the outer tappet (2) delimiting an oil-filled storage space (3) of variable volume sealed off from the outside, enclosed in which is a displacement element (4) for compensating volume changes. The outer tappet (2) is formed by an essentially tubular, thermoplastic shell (7) with sliding surfaces (5, 6) radially on the inside and the outside, at least in part-areas, which shell is fluid-tightly closed in the direction of the camshaft (8) used by a disc (9) designed as an opposed-motion element. The inner sliding surface (5) surrounds the inner tappet (1), resting against this circumference in a fluid-tight manner. <IMAGE>

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); **Y10T 74/2107** (2015.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0555521 A1 19930818; EP 0555521 B1 19951025; BR 9204630 A 19930817; CA 2089100 A1 19930812; CA 2089100 C 19971007; DE 4203897 A1 19930812; DE 4203897 C2 19940127; DE 59204141 D1 19951130; ES 2079756 T3 19960116; JP 2585941 B2 19970226; JP H0617616 A 19940125; US 5295460 A 19940322

DOCDB simple family (application)
EP 92114351 A 19920822; BR 9204630 A 19921130; CA 2089100 A 19930209; DE 4203897 A 19920211; DE 59204141 T 19920822; ES 92114351 T 19920822; JP 2387993 A 19930212; US 1268793 A 19930203