

Title (en)  
SELF-ADJUSTING HYDRAULIC VALVE TAPPET

Publication  
**EP 0257354 B1 19900530 (DE)**

Application  
**EP 87111152 A 19870801**

Priority  
DE 3628619 A 19860822

Abstract (en)  
[origin: US4782799A] A self-adjusting hydraulic valve tappet arranged in a guide bore of a cylinder head of an internal combustion engine and being contacted at one end face of the valve tappet by a cam and bearing with a second end face against the end of a valve stem, the tappet comprising a cup-shaped housing comprised of a hollow cylindrical wall closed at one end by an end member against the outside of which the cam abuts and a cylindrical guide sleeve concentric with the cylindrical wall and surrounded by an external oil reservoir and in which the play compensating element is guided for longitudinal movement and abuts at its end against the valve stem characterized in that the valve tappet is comprised of three main structural elements of (a) the outer metallic cup-shaped housing (1) (b) a polymeric inner element (4,31,32) accommodated therein defining the guide sleeve and forming the external oil reservoir (17) together with the cup-shaped housing (1) and (c) the self-adjusting play compensating element (7) guided for longitudinal movement in the guide sleeve.

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)

Cited by  
EP0337242A1; US5975038A; DE19681239B4; WO9728356A1

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