

Title (en)

Hydraulic valve tappet cup-like housing for internal combustion engines with overhead camshaft.

Title (de)

Tassenförmiges Gehäuse eines sich selbsttätig hydraulisch einstellenden Ventilstössels für Brennkraftmaschinen mit obenliegender Nockenwelle.

Title (fr)

Enveloppe en forme de tasse d'un poussoir hydraulique de soupape pour moteurs à combustion interne avec arbre à cames en tête.

Publication

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Application

EP 93810217 A 19930325

Priority

CH 124092 A 19920414

Abstract (en)

[origin: EP0566526A1] A cup-shaped housing of a hydraulically self-adjusting valve tappet for internal combustion engines with an overhead camshaft has a wall (12) in the form of a hollow cylinder closed at one end by an end (14) and a base ring (16) which projects from the end (14) concentrically to the wall (12) and, together with the wall (12), and an insert (22) fixed fluid tightly on the latter, bounds an annular oil storage space connected to the outside of the housing (10) via at least one hole (40) serving as an oil supply passage. The annular oil supply space is divided into chambers (20) by radially arranged reinforcing webs (18) projecting from the end (14) between the base ring (16) and the wall (12), and the hole (40) runs in one of the reinforcing webs (18), at least the reinforcing web (18) containing the hole (40) having, in a direction from the wall (12) to the base ring (16), a first region (18A) with a wall thickness (da) greater than the diameter (d) of the hole (40) and a second region (18b) with a wall thickness (db) smaller than the diameter (d) of the hole (40), with the result that the hole (40), which ends in the second region (18b), opens, after its emergence from the first region (18a), into an opening (42) which connects the adjacent chambers (20). <IMAGE>

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