

Title (en)
HYDRAULIC CAMSHAFT ADJUSTER

Title (de)
HYDRAULISCHER NOCKENWELLENVERSTELLER

Title (fr)
DEPHASEUR HYDRAULIQUE D'ARBRE A CAMES

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Application
EP 09765567 A 20090610

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Abstract (en)
[origin: WO2009152987A1] The invention relates to a hydraulic cam shaft adjuster (2) having a driven outer body (4) comprising at least one hydraulic chamber (18), and an inner body (6) disposed on the inside of the outer body (4), which can be firmly attached to the camshaft and has at least one pivoting wing (8) extending into the hydraulic chamber in the radial direction, thus partitioning the hydraulic chamber into a first working chamber (22) and a second working chamber (24). The inner body (6) further comprises at least one oil inlet and oil outlet conduit (14, 16) extending from a jacket interior (10) to a jacket exterior (12) of the inner body (6) up to one of the two working chambers (22). For this purpose the inner body (6) is assembled using at least one first element (28) and one second element (30), wherein the two elements each have at least one geometry (39, 41, 50, 52) at front sides (38, 40) facing each other, said geometry forming the oil inlet and oil outlet conduit of the inner part together with the other element.

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