Title (en)

CAMSHAFT HAVING A DECOMPRESSION DEVICE

Title (de)

NOCKENWELLE MIT EINER DEKOMPRESSIONSVORRICHTUNG

Title (fr)

ARBRE À CAMES PRÉSENTANT UN DISPOSITIF DE DÉCOMPRESSION

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Application

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Abstract (en)

[origin: WO2016146284A1] The invention relates to a camshaft (1) having a decompression device for an internal combustion engine, wherein a valve lifter (4) is rotatably supported in a base circle (2) of a cam (3), which can be brought into operative connection with a gas exchange valve by means of rotation, which valve lifter is operatively connected to a centrifugal weight (5), which is arranged coaxially to the camshaft and which is rotatably supported, in such a way that the valve lifter (4) forms a contour of the base circle in the region of action with the gas exchange valve from a certain rotational speed of the camshaft (1), wherein the camshaft has a cavity (6) in the region of the centrifugal weight (5), to which cavity lubricant pressure can be applied, and a radial first bore (7) from the cavity to the centrifugal weight is arranged in the camshaft (1), wherein a slidable element (8) that can be displaced by the lubricant pressure is arranged in the first bore. By means of the design of the camshaft according to the invention, an unstable centrifugal weight is stabilized and thus the acoustics are improved.

IPC 8 full level

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