

Title (en)

Double leg spring for a variable stroke valve drive in a cylinder head of a combustion engine

Title (de)

Doppelschenkelfeder für einen hubvariablen Ventiltrieb in einem Zylinderkopf einer Brennkraftmaschine

Title (fr)

Double ressort spiralé pour une commande de soupape à levage variable dans une tête de cylindre d'un moteur à combustion interne

Publication

EP 2568132 B1 20140716 (DE)

Application

EP 12179335 A 20120806

Priority

DE 102011082226 A 20110907

Abstract (en)

[origin: EP2568132A1] The double-leg spring (1) comprises a valve train having a pivot lever, a rolling element with an oscillation pivot, and an intermediate element supported onto a gas exchange valve. The stroke caused between the support points on the cams of a camshaft is controlled against the force of spring, such that the oscillating pivot is displaceable according to the stroke length. The spring has a V-shaped intermediate arm which is inserted into a corresponding V-shaped groove (12) formed in the cylinder head, during attachment of the spring to the cylinder head.

IPC 8 full level

F01L 13/00 (2006.01)

CPC (source: EP)

F01L 13/0063 (2013.01); **F01L 2013/0068** (2013.01)

Cited by

WO2021148199A1; CN114729578A; CN109519245A; CN107956527A; DE102020101555A1; EP3363504A1

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