

Title (en)

Variable amplitude device for the lift of at least one internal combustion engine valve.

Title (de)

Amplitudenveränderliche Vorrichtung für mindestens einen Brennkraftmaschinensteuerventilhub.

Title (fr)

Dispositif à amplitude variable pour la levée d'au moins une soupape de moteur à combustion interne.

Publication

EP 0462853 B1 19940622 (FR)

Application

EP 91401347 A 19910524

Priority

FR 9007799 A 19900621

Abstract (en)

[origin: EP0462853A1] The subject of this invention is a variable-amplitude device for the lift of at least one internal-combustion engine valve. This device comprises two cams which are fixed to the same shaft and of which one (H) is the upper and the other (B) the lower, a lever (F, M) being provided in line with each control cam so as to cooperate with these, the levers being mounted on pivots fixed to the cylinder head (1), one (15) of these pivots being slidable relative to the cylinder head as a function of operating parameters of the engine and under the effect of a selection member (27), each lever (F, M) being capable of a movement between a working position in contact with its control cam (B, H) and a retracted position, in such a way that the two levers act on the valve (2) alternately and selectively. This device is used in the manufacture of internal-combustion engines of any type. <IMAGE>

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CPC (source: EP)

F01L 1/265 (2013.01); **F01L 13/0021** (2013.01); **F01L 13/0036** (2013.01); **F02B 2275/20** (2013.01)

Citation (examination)

- EP 0442460 A1 19910821 - FERRARI SPA [IT]
- GB 2199079 A 19880629 - HONDA MOTOR CO LTD
- EP 0405927 A1 19910102 - SUZUKI MOTOR CO [JP]
- WO 9112415 A1 19910822 - LOTUS GROUP PLC [GB]
- BUSSIEN, "Automobiltechnisches Handbuch", pp.161-165

Cited by

FR2731043A1; US5463988A; DE102006031945A1; EP0505231A1; CN109184845A; CN111868356A; EP0638706A1; EP2295739A1; EP0764769A1; NL1001267C2; DE19930573A1; DE19730814A1; EP1197640A1; FR2815377A1; CN106414918A; US11434844B2; US7963261B2; US10550739B2; WO9321427A1; WO2015181264A1

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