

Title (en)

A rocker arm mechanism for actuating valves in internal combustion engines

Title (de)

Kipphebelmechanismus für die Ventilbetätigung in einer Brennkraftmaschine

Title (fr)

Un culbuteur pour actionner les soupapes d'un moteur a combustion interne

Publication

**EP 1279797 B1 20050323 (EN)**

Application

**EP 01830508 A 20010727**

Priority

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Abstract (en)

[origin: EP1279797A1] A rocker arm mechanism for actuating valves in internal combustion engines comprises a support shaft (2) extending from the head (3) of an engine, a pin (5) mounted in such a way that it slides on and turns about the shaft (2) and a rocker arm (9) connected to the pin (5). The rocker arm has a first end (9a) which engages with the stem (4a) of a valve (4) on the engine and has a seat (10) for the pin (5), so that, together with the pin (5), it forms a turning pair; the mechanism also comprising a camshaft (14) which is kinematically connected to the second end (9b) of the rocker arm (9); the cross-section of the rocker arm (9), at the seat (10), being substantially U-shaped, forming a concave surface (11) facing the free end of the support shaft (2) and housing the pin (5). <IMAGE>

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**F01L 1/18**

IPC 8 full level

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CPC (source: EP)

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Cited by

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