

Title (en)

Cylinder head for a combustion engine with a variable stroke valve operating mechanism

Title (de)

Zylinderkopf für eine Brennkraftmaschine mit einem hubvariablen Ventiltrieb

Title (fr)

Tête de cylindre pour un moteur à combustion interne doté d'une commande de soupape à levée variable

Publication

EP 1854967 B1 20120815 (DE)

Application

EP 07006942 A 20070403

Priority

DE 102006022481 A 20060513

Abstract (en)

[origin: EP1854967A2] The head (1) has a variable stroke valve drive (2) with an operating lever (3) that is supported on a sliding path (30) of a crank and on an intermediate unit (7). The lever is pivoted against a force of a spring (10) for stroke adjustment between supporting points of a cam (9), and has a rolling unit (4) with an oscillating pivot point that slides parallel to the sliding path by an adjusting device. An actuator (12) e.g. brushless electric motor, with a cooling medium is arranged in the head over the adjusting device, and has a longitudinal axis (12') aligned in direction of a cylinder axis.

IPC 8 full level

F01L 13/00 (2006.01)

CPC (source: EP)

F01L 13/0021 (2013.01); **F01L 13/0026** (2013.01); **F01L 2013/0068** (2013.01); **F01L 2820/032** (2013.01)

Cited by

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Designated contracting state (EPC)

DE FR GB IT

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EP 1854967 A2 20071114; **EP 1854967 A3 20100324**; **EP 1854967 B1 20120815**; DE 102006022481 A1 20071115

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