

Title (en)

Internal combustion engine with variable swept volume and/or variable compression ratio with a swing follower between the crankshaft and the connecting rod

Title (de)

Verbrennungsmotor mit variablem Hubraum und/oder variabler Verdichtungsverhältnis mit einer Kipphebel zwischen der Kurbelwelle und der Pleuel

Title (fr)

Moteur à combustion interne à cylindrée variable et/ou à taux de compression variable avec un basculeur entre le vilebrequin et la bielle

Publication

EP 1939424 B1 20100721 (FR)

Application

EP 07291439 A 20071130

Priority

FR 0611234 A 20061220

Abstract (en)

[origin: EP1939424A1] The engine has a cylinder (10) in which a piston (14) slides between a top dead center and a bottom dead center under an action of a connecting rod (20). A crankshaft (38) controls displacement of the piston under an effect of a cam follower (26) to vary a swept volume and a compression ratio of the engine. The cam follower is pivotally mounted around an articulation axle (46) and displaced in translation along a direction. The cam follower is connected to the connecting rod and to the crankshaft respectively by two ends (24, 28) of the follower. An independent claim is also included for a method for varying a swept volume and a compression ratio.

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