Title (en)

Auxiliary command assembly for commanding the opening/closing of the head valves of a combustion engine, in particular for a decompression engine brake operation

Title (de)

Zusätzliche Befehlsanordnung zur Steuerung der Öffnung/Schließung der Kopfventile in einem Verbrennungsmotor, insbesondere für den Betrieb einer Dekompressions-Motorbremse

Title (fr)

Ensemble de commande auxiliaire destinée à commander l'ouverture/la fermeture des soupapes principales d'un moteur à combustion interne, en particulier pour une opération de freinage d'un moteur de décompression

Publication

EP 3000996 B1 20170510 (EN)

Application

EP 14185931 A 20140923

Priority

EP 14185931 A 20140923

Abstract (en)

[origin: EP3000996A1] Auxiliary command assembly for commanding the opening/closing of the head valves (IV, EV) of a combustion engine, in particular for a decompression engine brake operation comprising an oscillating arm (FF, RA) having a second end (2) in contact with a valve stem, for pushing it axially during an opening procedure of the same, a normal cam (C) commanding said oscillation, a reference point (RP) defining a fulcrum of said oscillation of the oscillating arm (FF, RA), the auxiliary command assembly comprising an auxiliary cam (AC) suitable to be driven by the combustion engine crankshaft, an auxiliary roller, suitable to follow the profile of said auxiliary cam (AC) an actuator assembly (A) suitable to lift/lower said reference point (RP), means for interconnecting said actuator (A) and said auxiliary roller (AR) during an auxiliary engine operating condition, by at least partially overrunning of the commanding action of said normal cam (C).

IPC 8 full level

F01L 1/18 (2006.01); **F01L 1/24** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP)

F01L 1/185 (2013.01); **F01L 1/2405** (2013.01); **F01L 13/0005** (2013.01); **F01L 13/0031** (2013.01)

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