

Title (en)

Valve deactivator assembly for internal combustion engine

Title (de)

Ventildeaktivierungsmechanismus einer Brennkraftmaschine

Title (fr)

Dispositif de désactivation d'une soupape d'un moteur à combustion

Publication

EP 1143120 A3 20011024 (EN)

Application

EP 01302059 A 20010306

Priority

US 52105400 A 20000308

Abstract (en)

[origin: EP1143120A2] A valve deactivator assembly (43) including a rocker arm (33) having a pivot location (39) about which the rocker arm (33) normally pivots in response to rotation of the cam shaft (25). The valve deactivator assembly includes an HLA (hydraulic lash adjuster) (41) which serves as the pivot point for the rocker arm. The HLA includes a body (49) and a plunger assembly (53), including a plunger portion (67) having an engagement portion (69) surrounding the plunger portion (67) and in engagement with the pivot portion (39) of the rocker arm. A latch mechanism (79-91) is operable to either latch the engagement portion (69) to the plunger portion, for operation in a normal mode, or unlatch the engagement portion, for operation in a deactivated mode. Thus, the latch mechanism of the present invention does not add to the overall size of the main part of the HLA, or of the bore (45) in the cylinder head (11) in which the HLA is located. <IMAGE>

IPC 1-7

F01L 13/00; **F01L 1/24**

IPC 8 full level

F01L 1/34 (2006.01); **F01L 1/24** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP KR)

F01L 1/2405 (2013.01 - EP); **F01L 1/34** (2013.01 - KR); **F01L 13/0005** (2013.01 - EP)

Citation (search report)

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- [A] EP 0634564 A1 19950118 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] US 3610218 A 19711005 - DURHAM ROGER OWEN
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 316 (M - 438) 12 December 1985 (1985-12-12)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 028 (M - 557) 27 January 1987 (1987-01-27)

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