

Title (en)

Valve driving device for an internal combustion engine

Title (de)

Ventiltrieb einer Brennkraftmaschine

Title (fr)

Commande de soupape pour moteur à combustion interne

Publication

EP 0779411 B1 20010523 (DE)

Application

EP 96116552 A 19961016

Priority

- DE 19546437 A 19951213
- DE 19622174 A 19960601

Abstract (en)

[origin: EP0779411A1] The valve drive has at least one valve for gas exchange, which is acted upon by a cam (3) with at least two cam paths (15-17) with different lifts. A first transmission element (13) works in combination with the first path and the shaft (10) of the valve. An adjacent second transmission element (14) works in combination with the second path. Both elements can be connected together in a first position of a moving coupling (38), and can operate independently of one another in its second position. The coupling has two locking grooves (41,42) which work together with a locking pin (43), so that the coupling is locked in its second position. The latter element releases the coupling depending on the cam path, so that it can be moved to its first position.

IPC 1-7

F01L 13/00; F01L 1/26

IPC 8 full level

F01L 1/14 (2006.01); **F01L 1/26** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP KR)

F01L 1/14 (2013.01 - KR); **F01L 1/143** (2013.01 - EP); **F01L 1/267** (2013.01 - EP); **F01L 13/0036** (2013.01 - EP); **F01L 1/18** (2013.01 - KR); **F01L 1/462** (2013.01 - KR)

Cited by

DE19930572A1; EP1447547A1; US5950583A; EP0874139A3; US6848403B2; WO9853185A1; WO9822699A1; WO9827320A1

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