

Title (en)

Valve drive in an internal combustion engine

Title (de)

Ventiltrieb für eine Brennkraftmaschine

Title (fr)

Commande de soupape pour moteur à combustion interne

Publication

EP 1234957 A3 20030108 (DE)

Application

EP 02002529 A 20020204

Priority

AT 2682001 A 20010221

Abstract (en)

[origin: EP1234957A2] The method and apparatus are for continuously controlling a quantity of air drawn into an internal combustion engine by varying operating characteristics of an intake valve. A control unit uses a valve lift included in a range wherein the quantity of air is determined only by a valve lift and a working angle of the intake valve in a very low load operating range containing during idling. In contrast, in operating ranges, except the very low load operating range, the control unit uses a valve lift included in a range wherein the quantity of air is determined by the valve lift and the working angle of the intake valve, and a phase of a central angle of the working angle of the intake valve.

IPC 1-7

F01L 9/02; **F01L 1/24**

IPC 8 full level

F01L 9/11 (2021.01); **F01L 1/24** (2006.01)

CPC (source: EP)

F01L 9/11 (2021.01); **F01L 1/08** (2013.01); **F01L 2001/34446** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1234957 A2 20020828; **EP 1234957 A3 20030108**; **EP 1234957 B1 20040331**; AT E263309 T1 20040415; DE 50200316 D1 20040506; ES 2217209 T3 20041101

DOCDB simple family (application)

EP 02002529 A 20020204; AT 02002529 T 20020204; DE 50200316 T 20020204; ES 02002529 T 20020204