

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 B1 20040331 (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.

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IPC 8 full level
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CPC (source: EP)
F01L 9/11 (2021.01); **F01L 1/08** (2013.01); **F01L 2001/34446** (2013.01)

Cited by
WO2006037408A1; WO2010012864A1

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

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