

Title (en)

Drive cam for a valve-controlled internal combustion engine

Title (de)

Steuernocken für eine ventilsteuerte Brennkraftmaschine

Title (fr)

Came d'entraînement pour un moteur à combustion interne commandé par soupapes

Publication

EP 0835986 B1 20010411 (DE)

Application

EP 97115864 A 19970912

Priority

DE 19641418 A 19961008

Abstract (en)

[origin: EP0835986A1] The control cam is for an exhaust valve in a valve-controlled internal combustion engine. The modified cam profile gives an initial rapid increase (3') in acceleration of motion (3) away from the valve seat as the valve begins to open. The acceleration reaches an initial peak (3'') of approximately 40-60% before falling away (3'') to a minimum (2) before building up again (4') to a maximum of 100%. The acceleration goes negative and the valve slows to a stop and begins to close. The acceleration goes positive again as the valve slows down and comes to rest gently on its seat.

IPC 1-7

F01L 1/08

IPC 8 full level

F01L 1/08 (2006.01)

CPC (source: EP US)

F01L 1/08 (2013.01 - EP US); **Y10T 74/2101** (2015.01 - EP US)

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