

Title (en)  
Combustion engine

Title (de)  
Verbrennungsmotor

Title (fr)  
Moteur à combustion

Publication  
**EP 1113158 A3 20020626 (DE)**

Application  
**EP 00127017 A 20001209**

Priority  
AT 218799 A 19991227

Abstract (en)  
[origin: EP1113158A2] The engine includes a separate expansion chamber (3) with a piston (4) driving a drive shaft (32) via a cam transmission, in which the pushing member (30) can be lifted off the cam disk (31). This produces a timing independent of the continuous rotation of the cam disk, allowing for a pause of the expansion chamber piston at TDC.

IPC 1-7  
**F02B 75/32**; **F01B 9/06**

IPC 8 full level  
**F01B 9/06** (2006.01); **F02B 75/32** (2006.01)

CPC (source: EP US)  
**F01B 9/06** (2013.01 - EP US); **F02B 75/32** (2013.01 - EP US); **F01B 2009/065** (2013.01 - EP US); **F02G 2254/11** (2013.01 - EP US)

Citation (search report)

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- [A] US 1604625 A 19261026 - WICKERSHAM ELMER E
- [A] GB 262429 A 19270714 - WILLIAM OLAV SIGURD BRANDSTORP
- [AD] US 5813372 A 19980929 - MANTHEY STEVEN CHARLES [AU]
- [AD] DE 3214516 A1 19831020 - SCHIPULL WITOLD

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 1113158 A2 20010704**; **EP 1113158 A3 20020626**; US 2001039795 A1 20011115; US 6449940 B2 20020917

DOCDB simple family (application)  
**EP 00127017 A 20001209**; US 74889300 A 20001226; US 74889301 A 20010423