

Title (en)
Internal combustion engine

Title (de)
Brennkraftmaschine

Title (fr)
Moteur à combustion interne

Publication
EP 0874135 A3 19990512 (DE)

Application
EP 98105362 A 19980325

Priority
DE 19717068 A 19970423

Abstract (en)
[origin: DE19717068C1] In thrust operation always at least one valve type, all gas inlet (2) or all gas outlet valves (3), are permanently closed. The other valve type, either the gas inlet or the gas outlet valves, in the area of a top dead centre of a piston movement remains open and in the area of a bottom dead centre is closed again, whilst the other gas exchange valves remain closed. One valve type in the area of the top dead centre and in the area of the bottom dead centre of the piston movement is shortly opened and then immediately closed. In thrust operation with one or more cylinders (8) all gas exchange valves are closed. The engine brake torque is regulated dependent upon a brake signal (9).

IPC 1-7
F01D 13/00

IPC 8 full level
F01D 13/00 (2006.01); **F02D 13/04** (2006.01)

CPC (source: EP)
F02D 13/04 (2013.01)

Citation (search report)

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- [A] US 5379737 A 19950110 - HU HAORAN [US]
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- [A] DE 3814484 A1 19881117 - MAI ERICH [DE]

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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
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