

Title (en)

High efficiency alternating endothermic engine with a new thermodynamic cycle.

Title (de)

Endothermische Hochleistungskolbenkraftmaschine mit einem entsprechenden thermodynamischen Kreisprozess.

Title (fr)

Moteur endothermique alternatif à grand rendement avec le cycle thermodynamique correspondant.

Publication

**EP 0048784 A2 19820407 (EN)**

Application

**EP 80830103 A 19801201**

Priority

IT 4975180 A 19800926

Abstract (en)

Alternating endothermic engine with a new thermodynamic cycle in which the combustion chamber volume is kept constant for the period required for complete combustion of the operating fluid. In this way, higher maximum pressure is achieved for a pre-established and calculable period so as to obtain a more elevated tangential component and thus a higher engine torque for the same heat absorption and fuel consumption as in current engines. At the same time dangerous emissions are sharply reduced, while internal cooling is effected with reduced heat loss and energy savings.

IPC 1-7

**F02B 75/02**

IPC 8 full level

**F02B 75/40** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)

**F02B 75/02** (2013.01)

Designated contracting state (EPC)

AT BE DE FR GB NL SE

DOCDB simple family (publication)

**EP 0048784 A2 19820407**; **EP 0048784 A3 19820929**; AU 6693981 A 19820401; IT 1193279 B 19880615; IT 8049751 A0 19800926; JP S5759028 A 19820409

DOCDB simple family (application)

**EP 80830103 A 19801201**; AU 6693981 A 19810205; IT 4975180 A 19800926; JP 17964980 A 19801217