

Title (en)

A ROTARY INTERNAL COMBUSTION ENGINE

Publication

EP 0210960 A3 19870930 (EN)

Application

EP 86830194 A 19860708

Priority

IT 2172785 A 19850726

Abstract (en)

[origin: EP0210960A2] A rotary internal combustion or heat engine has a reciprocable double piston (3) moving in a cylinder (2). In one embodiment the cylinder (2) itself is rotatable and linked to an engine drive shaft (12) which turns at twice the speed of rotation of the cylinder. In another embodiment the cylinder (2) is fixed and the engine shaft (11) performs a planetary motion. The double piston (5) provides the working cycle and the variations in volume are obtained from the reciprocating motion of the piston within the cylinder (3) which is closed at both ends. Fuel induction takes place through centrally located ports (20,30) at a radially inner position and exhaust of the combustion products is effected at a radially outer position through exhaust ports (21,31).

IPC 1-7

F02B 57/00

IPC 8 full level

F02B 57/00 (2006.01)

CPC (source: EP)

F02B 57/00 (2013.01)

Citation (search report)

- [Y] FR 955226 A 19500111
- [X] AT 31482 B 19080125 - BUCHERER MAX
- [X] DE 2128066 A1 19721214
- [Y] AT 58760 B 19130425 - G A BRAEUER & CO WERKZEUGMASCH
- [X] FR 1434275 A 19660408
- [X] DE 3001094 A1 19810716 - SCHULZ WALTER

Cited by

FR2706532A1; CN1053259C; US6148775A; CN109667664A; WO9823850A1; WO9830792A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI NL SE

DOCDB simple family (publication)

EP 0210960 A2 19870204; EP 0210960 A3 19870930; IT 1185311 B 19871112; IT 8521727 A0 19850726

DOCDB simple family (application)

EP 86830194 A 19860708; IT 2172785 A 19850726