

Title (en)
COMPRESSOR FOR INTERNAL COMBUSTION ENGINES

Publication
EP 0032144 B1 19830824 (DE)

Application
EP 80901266 A 19810209

Priority
DE 2928829 A 19790717

Abstract (en)
[origin: WO8100278A1] The compressor for internal combustion poly-cylinder engines comprises a common rotor (13) provided with a rotary piston (14) for each cylinder of the engine. Each rotary piston (14) is eccentric with respect to the rotor shaft and rotates eccentrically in a cylindrical bore (12) of the crank case. The two axial extremities of each rotary piston (14) are made tight with respect to the cylindrical bore (12) by means of disk shaped seals (34). A sliding blade (19) for each rotary piston provides the radial tightness. This blade (19), which bears on the periphery of the rotary piston through a slot (28) provided in a common intermediate plate (27), separates the suction chamber from the compression chamber of each rotary piston. The rotor (13) is preferably driven by the crank shaft of the engine.

IPC 1-7
F02B 33/36; **F04C 23/00**; **F04C 18/356**

IPC 8 full level
F02B 33/36 (2006.01); **F04C 18/356** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP)
F02B 33/36 (2013.01); **F04C 18/3564** (2013.01); **F04C 23/001** (2013.01)

Citation (examination)
• DE 473434 C 19290315 - OTTO HOLM DR ING
• CH 132692 A 19290430 - IMHOFF PAPACKOVA STEFFA [CH]
• US 3595210 A 19710727 - LAMPIS ANTIOCO

Designated contracting state (EPC)
FR GB SE

DOCDB simple family (publication)
WO 8100278 A1 19810205; DE 2928829 A1 19810122; DE 2928829 C2 19820519; EP 0032144 A1 19810722; EP 0032144 B1 19830824

DOCDB simple family (application)
DE 8000106 W 19800717; DE 2928829 A 19790717; EP 80901266 A 19810209