

Title (en)
RADIAL SEALING

Publication
EP 0383143 A3 19910227 (DE)

Application
EP 90102257 A 19900206

Priority
US 30950989 A 19890213

Abstract (en)
[origin: US4931001A] A rotary internal combustion engine includes a rotor with apex seals installed in slots which extend axially through apexes of the rotor. Each apex seal includes at least one passage which extends therethrough in a circumferential direction to equalize gas pressure on opposite sides of the apex seal. An insert formed out of a low friction material is loosely received in each passage to reduce the volume exposed to gas pressure.

IPC 1-7
F01C 19/04

IPC 8 full level
F02B 55/02 (2006.01); **F01C 19/04** (2006.01)

CPC (source: EP US)
F01C 19/04 (2013.01 - EP US)

Citation (search report)

- [X] DE 1154316 B 19630912 - DAIMLER BENZ AG
- [A] DE 1151992 B 19630725 - DAIMLER BENZ AG
- [A] US 3261334 A 19660719 - HANNS-DIETER PASCHKE

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 4931001 A 19900605; CA 2008711 A1 19900813; DE 59000082 D1 19920521; EP 0383143 A2 19900822; EP 0383143 A3 19910227; EP 0383143 B1 19920415; JP H02241927 A 19900926

DOCDB simple family (application)
US 30950989 A 19890213; CA 2008711 A 19900126; DE 59000082 T 19900206; EP 90102257 A 19900206; JP 3228390 A 19900213