

Title (en)
Rotary piston machine

Title (de)
Rotationsverdrängermaschine

Title (fr)
Machine volumétrique à piston rotatif

Publication
EP 0933500 B1 20030827 (EN)

Application
EP 99300703 A 19990129

Priority
GB 9801859 A 19980130

Abstract (en)
[origin: EP0933500A1] A rotary piston and cylinder device (1) comprising a rotor (11) and a stator (7), the stator (7) at least partially defining an annular cylinder space (9), the rotor (11) comprising a rotor body and at least one piston (13) fixedly depending from the rotor body and which is moved circumferentially through the annular cylinder space (9) on rotation of the rotor (11) relative to the stator (7), the rotor body being sealed relative to the stator (7), and a cylinder space shutter means (3) which is capable of being moved relative to the stator to a closed position in which the shutter means partitions the annular cylinder space (9), and to an open position in which the shutter means (3) permits passage of the at least one piston. The rotary piston and cylinder device (1) can be arranged to operate as an internal combustion engine, a fluid pump, an hydraulic motor/ actuator or a turbine replacement. <IMAGE>

IPC 1-7
F01C 3/02

IPC 8 full level
F01C 3/02 (2006.01)

CPC (source: EP)
F01C 3/02 (2013.01)

Citation (examination)
• FR 2660364 A1 19911004 - KOHN ELHANAN [FR], et al
• US 5293849 A 19940315 - HUCKERT LOUIE N [US]

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