

Title (en)
RADIAL PISTON COMPRESSOR

Publication
EP 0124032 A3 19841205 (DE)

Application
EP 84104429 A 19840418

Priority
DE 3316106 A 19830503

Abstract (en)
[origin: EP0124032A2] The compressor comprises a cylinder block (2), which is rotatably mounted on a fixed axis (1) and has at least two piston chambers (3), in each of which a radially reciprocating piston (4) is arranged. The radial movement of the pistons (4) is controlled in the compressor by a guide ring (6) arranged eccentrically with respect to the axis of rotation of the cylinder block (2). The pistons (4) are supported against the guide ring (6) either directly or via an intermediate part (5). An increase in the service life of the guide ring (6) is achieved by the support points (12 and 13) on the guide ring (6) lying on orbital planes offset axially with respect to each other. <IMAGE>

IPC 1-7
F04B 27/06

IPC 8 full level
F04B 27/06 (2006.01)

CPC (source: EP)
F04B 27/0619 (2013.01)

Citation (search report)
• [A] FR 566061 A 19240208
• [A] US 1939057 A 19331212 - KERCHER ARTHUR J
• [A] US 2504841 A 19500418 - JONES FREDERICK M
• [AD] DE 3120812 A1 19821223 - SIEMENS AG [DE]

Designated contracting state (EPC)
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EP 84104429 A 19840418; DE 3316106 A 19830503; DK 86084 A 19840222; JP 8821684 A 19840501