

Title (en)
RECIPROCATING COMPRESSOR

Title (de)
KOLBENKOMPRESSOR

Title (fr)
COMPRESSEUR A DEPLACEMENT ALTERNATIF

Publication
EP 0838590 B1 20031112 (EN)

Application
EP 96913701 A 19960508

Priority
JP 9601216 W 19960508

Abstract (en)
[origin: EP0838590A1] The compressor has cylinder blocks (30, 31) containing cylinder bores (41, 42). A drive shaft (39) is rotatably supported in the cylinder blocks (30, 31). A swash plate (40) is attached to the drive shaft (39) to be rotatable integrally therewith. A piston (1) is slidably housed in the cylinder bores (41, 42). A shoe (44) is slidably interposed between the piston (1) and the swash plate (40). As the swash plate (40) rotates, the piston (1) is reciprocated via the shoe (44). The piston (1) is made of an aluminum or aluminum alloy matrix. The piston (1) contains a receiving recess (2) for slidably receiving the shoe (44) therein. A coating layer (6) containing tin as a major component is formed at the receiving recess (2) of the piston (1). <IMAGE>

IPC 1-7
F04B 27/08

IPC 8 full level
F04B 27/08 (2006.01)

CPC (source: EP KR)
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Cited by
FR2838789A1; EP1035326A3; EP1074737A3; EP1188923A3; EP1083246A1; EP1253318A3; EP1172556A3; EP1236896A3; EP1662141A1; DE102004057367A1; EP3242025A1; US6705207B2; US6308615B1; US10941758B2; WO03072940A3

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