

Title (en)
Piston compressor seal

Title (de)
Kolbenverdichter mit Tauchkolben

Title (fr)
Joint pour compresseur à piston

Publication
EP 1703126 A3 20110302 (DE)

Application
EP 06005265 A 20060315

Priority
DE 102005012203 A 20050315

Abstract (en)
[origin: EP1703126A2] The compressor has a trunk piston (8) that comprises two-stage piston ring gaskets (3, 4), an engine space (1) and a working space. A chamber (5) is arranged between the ring gaskets, where an internal pressure of the chamber is always higher than the internal pressure of the engine space. One of the piston ring gaskets seals the chamber against the engine space and the other gasket seals the chamber against the working space.

IPC 8 full level
F04B 39/00 (2006.01); **F04B 39/04** (2006.01)

CPC (source: EP)
F04B 39/0005 (2013.01); **F04B 39/042** (2013.01)

Citation (search report)

- [X] US 3620652 A 19711116 - JASPERS HENDRIK ALPHONS, et al
- [X] FR 1543409 A 19681025 - ALSACIENNE CONSTR MECA
- [X] US 3272092 A 19660913 - OSKAR VIELMO, et al
- [X] US 2411020 A 19461112 - BLASUTTA VICTOR V
- [X] GB 224866 A 19250319 - FRIED KRUPP GERMANIAWERFT AG

Cited by
CN102588252A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1703126 A2 20060920; EP 1703126 A3 20110302; DE 102005012203 A1 20060928

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EP 06005265 A 20060315; DE 102005012203 A 20050315