

Title (en)
Rotary piston compressor with axial flow

Title (de)
Drehkolbenverdichter mit axialer Förderrichtung

Title (fr)
Compresseur à piston rotatif avec écoulement axial

Publication
EP 1059454 B1 20030827 (DE)

Application
EP 99111232 A 19990609

Priority
EP 99111232 A 19990609

Abstract (en)
[origin: EP1059454A1] The compressor has an axial transport direction from above to below, especially of helical spindle form, cooling channels (12) carrying coolant for its motors (8), bearings (6,7), bearings and sensors (9) and a cooling device for a chamber (3), whose housing (2) has an annular chamber (15) that is partly filled with liquid cooled by the coolant via heat exchanger surfaces (18).

IPC 1-7
F04C 29/04

IPC 8 full level
F04C 18/16 (2006.01); **F04C 18/00** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)
F04C 18/00 (2013.01 - KR); **F04C 18/16** (2013.01 - KR); **F04C 29/00** (2013.01 - KR); **F04C 29/04** (2013.01 - EP KR US);
F04C 2240/402 (2013.01 - EP US)

Cited by
BE1026958B1; EP2532895A1; US11493043B2; WO2018093440A1; WO2020128830A1; WO2021160677A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

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