

Title (en)

Compressor with an exposed outboard thrust plate.

Title (de)

Kompressor mit frei-aussenliegender Grundplatte.

Title (fr)

Compresseur avec plaque de butée positionnée à l'extérieur.

Publication

EP 0227880 A1 19870708 (EN)

Application

EP 86108252 A 19860618

Priority

US 79132585 A 19851025

Abstract (en)

A rotary hermetic compressor including a bell shaped housing (12) and having an end wall (80) which also forms the end thrust plate for the compressor cylinder (68) and the crankshaft (30). The suction line (88) is connected directly to the end thrust plate (80) and the end thrust plate also includes oil passages (100, 102) for conducting oil from an oil sump (106) to an axial bore (56) in the crankshaft (30) for lubrication of the crankshaft bearings (64).

IPC 1-7

F04C 29/02; F25B 31/02; F04C 23/00; F04C 27/00

IPC 8 full level

F04C 23/02 (2006.01); **F04C 23/00** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)

F04C 23/008 (2013.01); **F04C 29/023** (2013.01)

Citation (search report)

- US 1925166 A 19330905 - ALEXANDER ROBERT L, et al
- DE 1403016 A1 19700205 - BBC BROWN BOVERI & CIE
- US 2598216 A 19520527
- DE 1057282 B 19590514 - GEN ELECTRIC
- DE 822393 C 19511126 - SIEMENS AG
- US 2612311 A 19520930 - WARRICK LELAND K, et al

Cited by

FR3021075A1; DE102019200560A1; US10294943B2; US9587638B2; WO2015172895A1

Designated contracting state (EPC)

DE FR GB IT

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