

Title (en)

Leakage prevention in a compressor utilized in a refrigeration cycle

Title (de)

Verhinderung von Leckagen in einem Verdichter eines Kühlkreislafs

Title (fr)

Prévention de fuites dans un compresseur utilisé dans un cycle de réfrigération

Publication

EP 1995461 A1 20081126 (EN)

Application

EP 08016146 A 20050303

Priority

- EP 05719890 A 20050303
- JP 2004165728 A 20040603

Abstract (en)

A compressor is provided as a compact unit while effectively preventing coolant leakage and assuring safety by optimizing the contact pressure at a seal member held between a plurality of housing members so as to minimize the size or the number of fastening members. In the compressor comprising at least two housing members, in which the compression mechanism is housed, a seal member (13, 14, 15) held between the housing members and fastening members used to fasten the housing members and the seal member as one. The seal member (13, 14, 15) has a bead portion (55, 56, 57) formed to assume a plateau shape.

IPC 8 full level

F04B 39/00 (2006.01); **F04B 27/04** (2006.01); **F04B 27/10** (2006.01); **F04B 39/12** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F04B 27/1036 (2013.01); **F04B 27/1081** (2013.01); **F04B 39/121** (2013.01); **F04B 53/162** (2013.01)

Citation (applicant)

JP 2002243320 A 20020828 - MITSUBISHI HEAVY IND LTD

Citation (search report)

- [X] JP H11343974 A 19991214 - TOYODA AUTOMATIC LOOM WORKS
- [A] US 6068265 A 20000530 - IKEDA HAYATO [JP], et al
- [A] US 5582415 A 19961210 - YOSHIDA YUKIO [JP], et al
- [A] US 3817540 A 19740618 - NICHOLSON T, et al

Cited by

US9212747B2; US10300403B2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1775471 A1 20070418; **EP 1775471 A4 20080730**; EP 1995461 A1 20081126; JP 2005344625 A 20051215; WO 2005119061 A1 20051215

DOCDB simple family (application)

EP 05719890 A 20050303; EP 08016146 A 20050303; JP 2004165728 A 20040603; JP 2005003586 W 20050303