

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 1775471 A4 20080730 (EN)

Application
EP 05719890 A 20050303

Priority
• JP 2005003586 W 20050303
• JP 2004165728 A 20040603

Abstract (en)
[origin: EP1775471A1] 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 held between the housing members and fastening members used to fasten the housing members and the seal members as one, a contact pressure applied to the seal members as the housing member and the seal members are fastened together via the fastening members is set within a range over which the critical seal pressure of the seal member is higher than the maximum operating pressure of the compressor and lower than the breaking pressure of the compressor.

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 (search report)
• [Y] US 6250648 B1 20010626 - IKEDA HAYATO [JP], et al
• [Y] EP 1211416 A1 20020605 - ZEXEL VALEO CLIMATE CONTR CORP [JP]
• [A] EP 1251273 A2 20021023 - TOYOTA JIDOSHOKKI KK [JP]
• See references of WO 2005119061A1

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