

Title (en)
ROTARY COMPRESSOR

Title (de)
DREHKOLBENVERDICHTER

Title (fr)
COMPRESSEUR ROTATIF

Publication
EP 0533957 B1 19970102 (EN)

Application
EP 92908527 A 19920413

Priority
• JP 9200461 W 19920413
• JP 8245091 A 19910415
• JP 9072391 A 19910422

Abstract (en)
[origin: WO9218772A1] A rotary compressor in which 1,1,1,2-tetrafluoroethane is used as a refrigerant and polyol ester which is compatible with the above refrigerant is used as an oil, in which a roller is formed of an iron material, and a vane of a carbon-containing composite aluminium material, and in which the corrosion of the roller and/or vane due to hydrolysis of polyol ester oil is prevented by restraining the generation of sliding friction heat between the roller and vane, thereby reducing the risk of the roller and/or vane being worn.

IPC 1-7
F04C 18/356; **F04C 29/00**

IPC 8 full level
F01C 21/08 (2006.01); **F04C 18/356** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP KR)
F01C 21/0809 (2013.01 - EP); **F04C 18/356** (2013.01 - EP KR); **F04C 29/02** (2013.01 - EP); **F04C 2210/26** (2013.01 - EP); **F05B 2210/14** (2013.01 - EP); **F05B 2280/10** (2013.01 - EP); **F05B 2280/50** (2013.01 - EP); **F05C 2201/021** (2013.01 - EP); **F05C 2201/0448** (2013.01 - EP); **F05C 2225/00** (2013.01 - EP); **F05C 2251/00** (2013.01 - EP)

Cited by
EP0679809A3; CN1080385C; EP1643128A3; EP1134418A3; EP0715079A3; US5806336A; EP1233186A3; EP2685106A3; US2021348808A1; WO2006024872A1; WO9721033A1

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
WO 9218772 A1 19921029; DE 69216337 D1 19970213; DE 69216337 T2 19970710; EP 0533957 A1 19930331; EP 0533957 A4 19931103; EP 0533957 B1 19970102; KR 0180894 B1 19990501; KR 930701694 A 19930612

DOCDB simple family (application)
JP 9200461 W 19920413; DE 69216337 T 19920413; EP 92908527 A 19920413; KR 920703223 A 19921214