

Title (en)

Two-stage rotary compressor for refrigerating plants.

Title (de)

Zweistufiger Drehkolbenkompressor für Kälteanlagen.

Title (fr)

Compresseur rotatif à deux étages pour des installations frigorifiques.

Publication

EP 0478939 A2 19920408 (EN)

Application

EP 91114044 A 19910822

Priority

IT 2187890 U 19901003

Abstract (en)

A two-stage rotary compressor for refrigerating plants comprising a first low-pressure compression unit (11) and a second high-pressure compression unit (12), the rotors (13, 14) of which are connected to a single control motor (16) and in which the lubricating oil circuit comprises an intermediate oil chamber (27) connected respectively to the delivery side of the low-pressure compression unit (11) via a first oil separator (22) and to a feeding pump (17) which supplies the lubricating oil to the high-pressure compression unit (12); the oil separated from the high-pressure delivery of the second compression unit (12) in turn supplies the low-pressure compression unit (11). <IMAGE>

IPC 1-7

F04C 29/02; **F25B 1/10**; **F25B 31/00**

IPC 8 full level

F04C 29/02 (2006.01); **F25B 1/10** (2006.01); **F25B 31/00** (2006.01); **F25B 40/02** (2006.01)

CPC (source: EP)

F04C 29/02 (2013.01); **F25B 1/10** (2013.01); **F25B 31/002** (2013.01); **F25B 40/02** (2013.01)

Cited by

EP1770341A3; EP1157244A4; US10309704B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR LI LU NL SE

DOCDB simple family (publication)

EP 0478939 A2 19920408; **EP 0478939 A3 19920422**; IT 220269 Z2 19930915; IT 9021878 U1 19920403; IT 9021878 V0 19901003

DOCDB simple family (application)

EP 91114044 A 19910822; IT 2187890 U 19901003