

Title (en)

HELICAL COMPRESSOR FOR REFRIGERATING MEDIUM

Title (de)

SPIRALVERDICHTER FÜR KÄLTEMITTEL

Title (fr)

COMPRESSEUR DE TYPE HELICOIDAL POUR AGENT REFRIGERANT

Publication

**EP 1563189 B1 20151209 (DE)**

Application

**EP 03808684 A 20030820**

Priority

- DE 10248926 A 20021015
- EP 0309214 W 20030820

Abstract (en)

[origin: EP1413758A2] A spiral compressor (12) for coolant has an external housing (10), a drive unit (14) with an cam drive (50), a drive shaft (53), and a motor (54) past which coolant flows. The compressor further has a drive shaft bearing (56). After flowing past the motor, the coolant esp. passes through an oil separator (190) prior to flowing through the spiral compressor. The separator is located between the housing (10) and drive system (14).

IPC 8 full level

**F04C 18/02** (2006.01); **F04C 23/00** (2006.01); **F04C 29/02** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1413758 A2 20040428**; **EP 1413758 A3 20040519**; **EP 1413758 B1 20051228**; AT E314578 T1 20060115; CN 102116293 A 20110706; CN 102116293 B 20130501; CN 1292171 C 20061227; CN 1497182 A 20040519; CN 1688817 A 20051026; CN 1688817 B 20120627; DE 10248926 A1 20040506; DE 10248926 B4 20041111; DE 50302045 D1 20060202; DK 1413758 T3 20060508; EP 1563189 A1 20050817; EP 1563189 B1 20151209; EP 2511531 A2 20121017; EP 2511531 A3 20140521; EP 2511531 B1 20180307; ES 2254846 T3 20060616; SI 1413758 T1 20060630; US 2004126261 A1 20040701; US 2005232800 A1 20051020; US 6960070 B2 20051101; US 7112046 B2 20060926; WO 2004036044 A1 20040429

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