

Title (en)
ROTARY HELICAL SCREW-TYPE COMPRESSOR

Title (de)
SCHRAUBENKOMPRESSOR

Title (fr)
COMPRESSEUR A VIS

Publication
EP 1163452 B1 20040519 (DE)

Application
EP 00922512 A 20000310

Priority
• DE 29904409 U 19990310
• EP 0002151 W 20000310

Abstract (en)
[origin: US2002048523A1] A screw compressor has a gear housing 1 from one side of which the rotor housing (3) containing the two screw rotors freely projecting outward. An oil supply container 7 is also located freely projecting out from the gear housing 1 approximately parallel to the rotor housing 3 and thermally separated from the rotor housing by means of an air gap. A ventilation channel 109 in the rotor housing 3 to vent the rotor shaft seals opens up to one point in the rotor housing that is protected against direct access by the oil supply container 7 mounted in front of it as well as by additional shoulders 111.

IPC 1-7
F04C 23/00; **F04C 29/02**; **F04C 18/16**; **F04C 27/00**

IPC 8 full level
F04C 18/16 (2006.01); **F04C 23/00** (2006.01); **F04C 27/00** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)
F04C 23/00 (2013.01 - EP US); **F04C 27/009** (2013.01 - EP US); **F04C 29/025** (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US); **F04C 2240/605** (2013.01 - EP US)

Cited by
US7713039B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 2002048523 A1 20020425; **US 6416302 B1 20020709**; AT E267344 T1 20040615; DE 29904409 U1 20000720; DE 50006496 D1 20040624; EP 1163452 A1 20011219; EP 1163452 B1 20040519; WO 0053932 A1 20000914

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US 95032201 A 20010910; AT 00922512 T 20000310; DE 29904409 U 19990310; DE 50006496 T 20000310; EP 0002151 W 20000310; EP 00922512 A 20000310