

Title (en)
ROTARY HELICAL SCREW-TYPE COMPRESSOR

Title (de)
SCHRAUBENKOMPRESSOR

Title (fr)
COMPRESSEUR A VIS

Publication
EP 1163452 A1 20011219 (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)

Citation (search report)
See references of WO 0053932A1

Cited by
US7713039B2

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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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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