

Title (en)
SCREW-TYPE COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR A VIS

Publication
EP 1309799 B1 20040929 (DE)

Application
EP 01960553 A 20010725

Priority
• DE 10040020 A 20000816
• EP 0108597 W 20010725

Abstract (en)
[origin: WO0214694A1] The invention relates to a screw-type compressor, comprising a compressor screw housing and two screw rotors with screw bodies which are located in the compressor screw housing and which engage with each other; and with shaft sections on both sides of said screw bodies, the screw rotors being mounted in bearing housings on both sides of the compressor screw housing by means of said shaft sections. The aim of the invention is to create a screw-type compressor of this type which reduces pressure losses. To this end, an intermediate piece of the respective shaft section that adjoins an end of the respective screw body on the pressure side and extends as far as a bearing section, is sealed in relation to an inner surface of an opening provided in the terminal wall in the area of said outlet-side terminal wall of the compressor screw housing, this inner surface surrounding said intermediate piece.

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

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

CPC (source: EP US)
F04C 23/008 (2013.01 - EP US); **F04C 27/009** (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US); **F04C 2240/51** (2013.01 - EP US)

Cited by
CN101864992A

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

DOCDB simple family (publication)
WO 0214694 A1 20020221; AT E278109 T1 20041015; CN 1181262 C 20041222; CN 1388868 A 20030101; DE 10040020 A1 20020307; DE 50103903 D1 20041104; DK 1309799 T3 20050117; EP 1309799 A1 20030514; EP 1309799 B1 20040929; ES 2228928 T3 20050416; PT 1309799 E 20041231; TR 200402812 T4 20041221; US 2002159907 A1 20021031; US 6572354 B2 20030603

DOCDB simple family (application)
EP 0108597 W 20010725; AT 01960553 T 20010725; CN 01802440 A 20010725; DE 10040020 A 20000816; DE 50103903 T 20010725; DK 01960553 T 20010725; EP 01960553 A 20010725; ES 01960553 T 20010725; PT 01960553 T 20010725; TR 200402812 T 20010725; US 12213002 A 20020412