

Title (en)
SCREW-TYPE COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR A VIS

Publication
EP 1019633 A1 20000719 (DE)

Application
EP 98955416 A 19981008

Priority
• DE 19744466 A 19971008
• EP 9806389 W 19981008

Abstract (en)
[origin: US6312239B1] A screw-type compressor comprises a housing (12) in which a primary rotor (14) and a secondary rotor (16) are arranged each of which is provided with a shaft (18,24) and a screw rotor (20,26). The secondary rotor (16) is axially supported by the primary rotor (14). Only the primary rotor (14) comprises an axial bearing part (22) which is supported in an axial bearing part (66) of the housing (12). The omission of an axial bearing between the secondary rotor and the housing simplifies the support of the secondary rotor.

IPC 1-7
F04C 18/16

IPC 8 full level
F04C 18/16 (2006.01); **F01C 21/02** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP KR US)
F01C 21/02 (2013.01 - EP US); **F04C 18/02** (2013.01 - KR); **F04C 29/0021** (2013.01 - EP US); **F04C 2240/56** (2013.01 - EP US)

Citation (search report)
See references of WO 9918355A1

Cited by
EP2431613A3

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

DOCDB simple family (publication)
US 6312239 B1 20011106; AT E231220 T1 20030215; AU 1226599 A 19990427; AU 743902 B2 20020207; CN 1274410 A 20001122; DE 19744466 A1 19990422; DE 19744466 C2 19990819; DE 59806955 D1 20030220; EP 1019633 A1 20000719; EP 1019633 B1 20030115; ES 2191976 T3 20030916; JP 2001519503 A 20011023; KR 20010030985 A 20010416; RU 2212564 C2 20030920; WO 9918355 A1 19990415

DOCDB simple family (application)
US 52911600 A 20000607; AT 98955416 T 19981008; AU 1226599 A 19981008; CN 98809971 A 19981008; DE 19744466 A 19971008; DE 59806955 T 19981008; EP 9806389 W 19981008; EP 98955416 A 19981008; ES 98955416 T 19981008; JP 2000515118 A 19981008; KR 20007003769 A 20000407; RU 2000111494 A 19981008