

Title (en)  
SCREW COMPRESSOR WITH INTEGRAL OIL CHANNELS

Title (de)  
SCHRAUBENVERDICHTER MIT INTEGRIERTEN ÖLKANÄLEN

Title (fr)  
COMPRESSEUR À VIS AVEC CANAUX D'HUILE D'UN SEUL TENANT

Publication  
**EP 2024642 A1 20090218 (EN)**

Application  
**EP 07722586 A 20070501**

Priority

- DK 2007000207 W 20070501
- DK PA200600630 A 20060504

Abstract (en)  
[origin: WO2007128309A1] A method for lubricating a screw compressor and a screw compressor, comprising a compressor housing (4), which housing comprises a male (8) and a female (10) screw rotor and at least one oil inlet (12), from which oil is distributed to lubricate mechanical parts in conjunction with the compressor. The compressor housing (4) is connected to a bearing housing (14), where rotor endplates (16,18) comprise cutouts for discharge ports, which endplates are placed between the screw rotors (8,10) and the bearing housing (14), where oil at least at a first high pressure is distributed in integrated channels formed in the compressor components and where the longitudinal oil channels are formed in the compressor housing (4) along the screw rotors (8,10), and where oil channels mostly parallel to the rotational axes of the screw rotors can be formed at least in the bearing housing (14) and in the rotor endplates (16,18).

IPC 8 full level  
**F04C 18/16** (2006.01)

CPC (source: EP)  
**F04C 29/02** (2013.01); **F04C 18/16** (2013.01)

Citation (search report)  
See references of WO 2007128309A1

Cited by  
CN109915365A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007128309 A1 20071115**; EP 2024642 A1 20090218

DOCDB simple family (application)  
**DK 2007000207 W 20070501**; EP 07722586 A 20070501