

Title (en)

Oil filter and silencer for a screw-type compressor

Title (de)

ÖLABSCHEIDER UND SCHALLDÄMPFER FÜR SCHRAUBENVERDICHTER

Title (fr)

Filtre d'huile et silencieux pour un compresseur à vis

Publication

EP 2321533 A2 20110518 (DE)

Application

EP 09780252 A 20090707

Priority

- EP 2009058597 W 20090707
- DE 102008036317 A 20080729

Abstract (en)

[origin: WO2010012570A2] To improve a screw-type compressor comprising an outer housing, a compressor screw housing which is arranged in the outer housing and in which are arranged rotor bores for screw rotors, a drive which is arranged in the outer housing on one side of the compressor screw housing, a bearing housing which is arranged in the outer housing on an opposite side of the compressor screw housing from the drive, and a silencer which is arranged within the outer housing and through which compressed working medium flows, in such a way that the working medium exiting the screw-type compressor entrains as little lubricant as possible, it is proposed that, in an interior space, the silencer conducts the compressed working medium by means of a flow guide as a rotating flow about an axis, and that lubricant is separated from the encircling flow of the working medium by centrifugal forces.

IPC 8 full level

F04C 18/16 (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)

F04C 18/16 (2013.01 - EP US); **F04C 29/026** (2013.01 - EP US); **F04C 18/165** (2013.01 - EP US)

Citation (search report)

See references of WO 2010012570A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010012570 A2 20100204; WO 2010012570 A3 20100708; CN 102112746 A 20110629; CN 102112746 B 20141022; DE 102008036317 A1 20100225; EP 2321533 A2 20110518; EP 2321533 B1 20130911; ES 2431801 T3 20131128; US 2011182762 A1 20110728; US 8500424 B2 20130806

DOCDB simple family (application)

EP 2009058597 W 20090707; CN 200980129792 A 20090707; DE 102008036317 A 20080729; EP 09780252 A 20090707; ES 09780252 T 20090707; US 201113015736 A 20110128