

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 B1 20130911 (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

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CPC (source: EP US)

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