

Title (en)
OIL MIST SEPARATOR FOR A COMPRESSOR

Title (de)
ÖLNEBELABSCHIEDER FÜR EINEN KOMPRESSOR

Title (fr)
SÉPARATEUR DE BROUILLARD D'HUILE POUR UN COMPRESSEUR

Publication
EP 3763940 B1 20230906 (DE)

Application
EP 20174587 A 20200514

Priority
DE 102019210017 A 20190708

Abstract (en)
[origin: CN112196767A] An oil mist separator (1) for a compressor (2) is provided, a filter element (9) being arranged in a receiving space (8), a cover (18) closing a mounting opening (15) through which the filter element(9) can be inserted into and removed from the working space (8). A housing (7) has a flange (17) on the mounting opening, and the cover is detachably fastened to the flange. The filter element having a filter body and two end plates; the retaining device is provided with a retaining plate which leans against the end plate opposite to the cover, a through hole for closing the retaining plate and an oil collecting part arranged on the clean side. The retaining device has a retaining ring bearing against an end plate facing the cover, an opening to a through hole of the end plate, and a flange arranged axially between the flange and the cover. The retaining plate and the retaining ring are axially preloaded on the filter element. The oil suction pipe is in fluid communication with the oil collection portion so that oil can be sucked out of the oil collection portion through the oil suction pipe.

IPC 8 full level
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CPC (source: CN EP)
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