

Title (en)  
COOLING DEVICE.

Title (de)  
KÜHLVORRICHTUNG.

Title (fr)  
DISPOSITIF FRIGORIFIQUE.

Publication  
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Application  
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Abstract (en)  
[origin: US5433590A] PCT No. PCT/EP92/01045 Sec. 371 Date Dec. 21, 1993 Sec. 102(e) Date Dec. 21, 1993 PCT Filed May 13, 1992 PCT Pub. No. WO93/01413 PCT Pub. Date Jan. 21, 1993. In a cooling device for a rotary piston compressor, in particular a screw-type compressor, which is part of a refrigerant circuit together with a condenser and an evaporator, coolant of the refrigeration system and oil serving to lubricate bearings as well as to cool and seal the screw-type compressor are injected into the screw-type compressor. In order to cool the oil serving to lubricate the compressor bearings separately and to thereby achieve a more economical functioning of the entire cooling device, it is suggested that only the part of the oil serving to lubricate the bearings of the compressor is cooled as a function of the oil temperature sensed behind the bearings and that a branched stream of coolant is used for this, the stream on its part subsequently being fed to the compressor again.

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