

Title (en)
VALVE FOR REFRIGERATION COMPRESSOR AND APPLICATION HEREOF

Title (de)
VENTIL FÜR EINEN KÜHLKOMPRESSOR UND ANWENDUNG DAVON

Title (fr)
SOUPAPE POUR COMPRESSEUR DE RÉFRIGÉRATION ET APPLICATION DE CETTE SOUPAPE

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Application
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Abstract (en)
[origin: WO2011141025A1] The invention includes a valve (5, 8, 10, 13, 16, 17) for a piston based cooling / freezing compressor. The valve (5, 8, 10, 13, 16, 17) is mounted in the refrigeration compressor's suction gate (3) and is provided with coolant such as Flasch gas from intercooler-undercooler or similar. With the valve (5, 8, 10, 13, 16, 17) mounted in a refrigeration compressor, the stroke period is increased where the coolant is moved around the refrigeration unit by the piston based compressor. With the valve (5, 8, 10, 13, 16, 17), the efficiency of the compressor is increased with up to 15%. It is a part of the invention that the valve is used for C02 based coolants.

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