

Title (en)  
COMPRESSOR COMPRISING A PRESSURE-RELIEF GROOVE

Title (de)  
VERDICHTER MIT DRUCKENTLASTUNGSNUT

Title (fr)  
COMPRESSEUR DOTÉ D'UNE RAINURE DE DÉCOMPRESSION

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Application  
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Abstract (en)  
[origin: WO2013050114A2] The invention relates to a compressor (10) comprising a pressure chamber (12;13) which is delimited by at least two housing parts (20;30), these housing parts (20;30) comprising sealing surfaces (25;35) that are connected by means of a connection device which applies a contact pressing force between said sealing surfaces (25;35). The compressor is characterised in that at least one groove (40a;40b) extending in a circumferential direction is arranged on at least one sealing surface (25;35), and in that at least one relief opening is arranged on at least one of the housing parts (20;30), this at least one relief opening connecting the groove (40a;40b) to the surroundings (11) of the compressor and emanating from the groove (40a;40b) which extends in the circumferential direction. Said groove (40a;40b) is arranged such that when a predetermined maximum pressure is exceeded in the pressure chamber (13), a pressure-building medium (E) can gather in the groove (40a;40b) and at least partially escape through the relief opening.

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