

Title (en)  
HERMETICALLY ENCAPSULATED REFRIGERANT COMPRESSOR

Title (de)  
HERMETISCH GEKAPSELTER KÄLTEMITTELVERDICHTER

Title (fr)  
COMPRESSEUR DE FLUIDE FRIGORIGÈNE HERMÉTIQUEMENT ENCAPSULÉ

Publication  
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Application  
**EP 20811514 A 20201112**

Priority  
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Abstract (en)  
[origin: WO2021119683A1] The invention relates to a hermetically encapsulated refrigerant compressor (1) comprising a cylinder (3), a piston (4) arranged in the cylinder (3), said piston having a piston axis (4a), a valve plate (5) having a suction valve opening (6) and a discharge valve (7), a cylinder head (8) on the side of the valve plate (5) facing away from the cylinder (3), a cylinder head cover (10) which has an outlet for compressed refrigerant, and a muffler (12). A connecting piece (11) is arranged on the side of the valve plate (5) facing away from the cylinder (3) as an inlet for refrigerant to be suctioned in, wherein the connecting piece (11) has a first end (11a) that is arranged on the suction valve opening (6) and a second end (11b). The connecting piece (11) is inclined relative to the piston axis (4a) at a maximum inclination angle ( $\alpha$ ) of between  $-45^\circ$  and  $+45^\circ$ . The muffler (12) has a housing (12a) having an intake opening (12b) into which the second end (11b) of the connecting piece (11) opens.

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Citation (search report)  
See references of WO 2021119683A1

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