

Title (en)
SUCTION MUFFLER FOR A REFRIGERANT COMPRESSOR

Title (de)
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Title (fr)
SILENCIEUX D'ASPIRATION POUR COMPRESSEUR DE RÉFRIGÉRANT

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EP 4170167 A1 20230426 (EN)

Application
EP 22203370 A 20221024

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Abstract (en)
The invention relates to a suction muffler (600) for an encapsulated refrigerant compressor, comprising- a suction muffler housing (602) defining a suction muffler volume, wherein the suction muffler housing (602) is made of plastic material, wherein the suction muffler housing (602) has a lower housing part (610) and an upper housing part (620);wherein the upper housing part (620) includes- an inlet section (605) to allow refrigerant to enter the suction muffler volume, the inlet section (605) comprising an inlet opening and an inlet tube (622) for directing refrigerant to a first suction muffler chamber (603), the inlet opening being connected to the inlet tube (622) and- an outlet section (606) to allow refrigerant to escape from the suction muffler volume (601) of the suction muffler (600) towards the cylinder of the refrigerant compressor.In order to achieve a compact design and to reduce production costs as well as to simplify assembly its it is provided that the suction muffler (600) further comprises an inner housing element (630), which is inserted into the suction muffler housing (602), which inner housing element (630) separates the suction muffler volume into the first suction muffler chamber (603) and a second suction muffler chamber (604).

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Citation (search report)
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• [Y] CN 111287939 A 20200616 - ANHUI MEIZHI COMPRESSOR CO LTD
• [XA] WO 2009110677 A2 20090911 - LG ELECTRONICS INC [KR], et al
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