

Title (en)
CYLINDER HEAD ASSEMBLY, COMPRESSOR AND REFRIGERATION DEVICE

Title (de)
ZYLINDERKOPFANORDNUNG, VERDICHTER UND KÜHLVORRICHTUNG

Title (fr)
ENSEMBLE CULASSE, COMPRESSEUR ET DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 3822488 B1 20230510 (EN)

Application
EP 20838870 A 20200313

Priority
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• CN 2020079234 W 20200313

Abstract (en)
[origin: EP3822488A1] The disclosure relates to a cylinder head assembly, a compressor and a refrigeration device. The cylinder head assembly includes a crankcase provided with a cylinder hole and an exhaust muffler cavity, wherein the crankcase is provided with an annular boss at an end of the cylinder hole, an end surface of the annular boss forms a first mounting surface, the first mounting surface is provided with a first exhaust throttle through-hole which is communicated with the exhaust muffler cavity, and an outer circular surface of the annular boss is not coaxial with the cylinder hole and is biased toward the first exhaust throttle through-hole; cylinder head components, an edge of each of the cylinder head components is provided with a protrusion, and each protrusion is provided with a second exhaust throttle through-hole corresponding to the first exhaust throttle through-hole; and a cylinder cover provided with a first cylindrical mounting groove and a second cylindrical mounting groove. The compressor includes the cylinder head assembly. The refrigeration device includes the compressor. The disclosure not only has the advantages of small size and low cost of a circular cylinder head, but also avoids the technical difficulty of exhausting gas from a cylinder cover in the traditional circular cylinder head design, and saves the material cost.

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