

Title (en)
VOLUTE STRUCTURE, CENTRIFUGAL COMPRESSOR AND REFRIGERATION DEVICE

Title (de)
SPIRALSTRUKTUR, ZENTRIFUGALVERDICHTER UND KÜHLVORRICHTUNG

Title (fr)
STRUCTURE EN VOLUTE, COMPRESSEUR CENTRIFUGE ET DISPOSITIF DE RÉFRIGÉRATION

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Application
EP 14903991 A 20141226

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Abstract (en)
The present application discloses a volute structure, a centrifugal compressor and a refrigeration device. The volute structure comprises: a cabinet (8), a volute casing (1) and a backflow device (5); the volute casing (1) comprises an inner volute and an outer volute separately provided, a fluid flow passage being formed between the inner volute and outer volute, and the inner volute and backflow device (5) being disposed together. The present application increases the length of the first-stage diffuser, improving the diffusion effect of air entering the first-stage diffuser and thus enhancing the unit performance of the centrifugal compressor.

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