

Title (en)
ELECTRIC COMPRESSOR

Title (de)
ELEKTRISCHER VERDICHTER

Title (fr)
COMPRESSEUR ÉLECTRIQUE

Publication
EP 2667029 A1 20131127 (EN)

Application
EP 11856407 A 20111226

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Abstract (en)

The present invention provides an electric compressor having a configuration whereby bearings can be press fitted without damaging an inverter circuit substrate and without increasing the thickness of a wall part after the inverter circuit substrate has been mounted on the wall part of an inverter housing chamber. This electric compressor is equipped with a compression mechanism, an electric motor that drives the compression mechanism, and an inverter circuit for the purpose of driving the electric motor, and has a housing that defines a compression mechanism housing part which houses the compression mechanism, an electric motor housing part which houses the electric motor, and an inverter circuit housing part which houses the inverter circuit. Bearings which support the rotary shaft of the electric motor in a rotatable manner on the electric motor housing part-side are press-fitted between the electric motor housing part and the inverter circuit housing part, and a wall part, provided with an inverter circuit substrate to which an inverter circuit is wired, is provided on the inverter circuit housing part-side. In addition, the inverter circuit housing part is blocked off by a cover member, and at least one pillar is provided between the aforementioned wall part and the cover member.

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Cited by
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