

Title (en)

AIR CONDITIONER HAVING A COMPRESSOR OIL STORAGE ASSEMBLY AND CONTROL METHOD THEREFOR

Title (de)

KLIMAANLAGE MIT KOMPRESSORÖLAUFBEWAHRUNGSANORDNUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

CLIMATISEUR AVEC UN ENSEMBLE DE STOCKAGE D'HUILE DE COMPRESSEUR ET SON PROCÉDÉ DE COMMANDE

Publication

EP 3399254 B1 20211027 (EN)

Application

EP 17805864 A 20170531

Priority

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- CN 2017086706 W 20170531

Abstract (en)

[origin: EP3399254A1] A compressor oil storage assembly comprises a compressor (100) and an oil storage tank (200). The compressor (100) is provided with an oil discharge opening (110). The oil storage tank (200) is provided with an oil inlet (210) and an oil outlet (220). The oil discharge opening (110) communicates with the oil inlet (210) through a first pipeline (300) that is provided with a first electromagnetic valve (400). The oil outlet (220) communicates with a return air opening of the compressor (100) through a second pipeline (500) that is provided with a second electromagnetic valve (600). Also provided are an air conditioner comprising the compressor oil storage assembly, and a control method therefor. When the compressor (100) is stopped, high-concentration refrigeration oil in the compressor (100) is stored in the oil storage tank (200) in time, and when the compressor (100) is started again, the high-concentration refrigeration oil in the oil storage tank (200) is supplied to the compressor (100) in time, so that the phenomenon that the compressor (100) is in lack of oil after stopped for a long time is effectively avoided.

IPC 8 full level

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CPC (source: CN EP US)

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