

Title (en)

AIR CONDITIONER, CONTROL METHOD AND COMPUTER-READABLE STORAGE MEDIUM

Title (de)

KLIMAANLAGE, STEUERUNGSVERFAHREN UND COMPUTERLESBARES SPEICHERMEDIUM

Title (fr)

CLIMATISEUR, PROCÉDÉ DE COMMANDE ASSOCIÉ ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR

Publication

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Application

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Priority

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Abstract (en)

Proposed by the present invention are an air conditioner, a control method and a computer-readable storage medium. The air conditioner comprises: a refrigerant switching device, an indoor heat exchanger, an outdoor heat exchanger, a compressor, a memory, and a processor. The refrigerant switching device comprises a liquid pipe, a gas pipe, and a valve assembly. The processor executes a computer program so as to execute the following: obtaining switching information of a working mode of the air conditioner; and controlling the valve assembly according to the switching information so that the gas pipe and the liquid pipe are closed according to the sequence of the gas pipe first and then the liquid pipe, and then opened according to the sequence of the gas pipe first and then the liquid pipe. Therefore, during the switching process of the working mode, the refrigerant inside an indoor unit heat exchanger is limited by means of first closing the gas pipe and the liquid pipe, which reduces the amount of refrigerant to be balanced after the gas pipe connected to a target working mode is connected, and reduces the refrigerant noise caused by the impact of high pressure and low pressure refrigerant during the connection process. At the same time, the refrigerant flow may be switched without limiting the refrigerant flow, which greatly shortens the duration of the switching process and ensures the operation stability of the compressor.

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