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ABSTRACT

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Disclosed is an air conditioning apparatus which is provided with two adsorption elements **(81, 82)**. The air conditioning apparatus repeats in alternation an operation in which the second adsorption element **(82)** is regenerated and, at the same time, air is dehumidified by the first adsorption element **(81)**, and an operation in which the first adsorption element **(81)** is regenerated and, at same time, air is dehumidified by the second adsorption element **(82)**. Additionally, the air conditioning apparatus includes a refrigerant circuit. The refrigerant circuit performs a refrigeration cycle in which a regenerative heat exchanger **(92)** operates as a condenser and a first cooling heat exchanger **(93)** or a second cooling heat exchanger **(94)** operates as an evaporator. For example, air, which has robbed heat of adsorption in the first adsorption element **(81)**, is further heated by the regenerative heat exchanger **(92)** and is introduced into the second adsorption element **(82)**. Consequently, the second adsorption element **(82)** is regenerated.