

ABSTRACT

Disclosed is an air conditioning apparatus which is provided with an adsorption element (81, 82) having a humidity adjusting side passageway (85) capable of adsorption and desorption of moisture by passage of adsorption air or regeneration air and a cooling side passageway (86) through which cooling air passes so that the adsorption air is cooled by absorption of heat of adsorption generated during the adsorption in the humidity adjusting side passageway (85). In the air conditioning apparatus, air is humidified or dehumidified in the humidity adjusting side passageway (85) of the adsorption element (81, 82) and is supplied to an indoor space. In order to achieve improvements in the cooling efficiency when cooling adsorption air by the use of cooling air in the cooling side passageway (86), room air (RA), conditioned air (CA), or mixed air (RA + OA) which is a combination of room air (RA) and outdoor air (OA) is used as cooling air which is forced to flow through the adsorption element (81, 82).



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