

ABSTRACT OF THE DISCLOSURE

AIR-CONDITIONING CONTROL SYSTEM AND AIR-CONDITIONING CONTROL METHOD

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An air-conditioning control system (10) comprises a temperature sensor(22) that measures a temperature of intake air and an energy optimizing module (54) that calculates a combination of a supply air temperature and a supply air flow rate of the air-conditioner, wherein the energy optimizing module (54) has air-conditioner characteristic
10 data from which power consumption can be calculated, and selects an optimal supply air temperature and an optimal supply air flow rate at which the power consumption of the air-conditioner (28) becomes the smallest from the air-conditioner characteristic data based on the temperature of intake air in order to obtain a cold heat amount necessary for cooling the equipment room so that the temperature of intake air becomes the target
15 temperature, and the air-conditioner (28) is controlled to achieve the optimal supply air temperature and the optimal supply air flow rate selected in the energy optimizing module (54).

Figure 1