

AIR-CONDITIONING SYSTEM, AIR-CONDITIONING MANAGEMENT SERVER,  
AIR-CONDITIONING MANAGEMENT METHOD AND AIR-CONDITIONING  
MANAGEMENT PROGRAM

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ABSTRACT

An air-conditioning system (500) includes a storage and retrieval server (200),  
an air-conditioning management server (300) and a warehouse device (120). The  
storage and retrieval server (200) transmits, when arrangement of a load in a warehouse  
10 (110) is changed, an arrangement change notification (22) including arrangement  
information representing arrangement of the load at present in the warehouse (110).  
The air-conditioning management server (300) stores an arrangement pattern of the load  
in the warehouse (110) and an air-conditioning mode used in air-conditioning control  
over a warehouse, by associating the arrangement pattern with the air-conditioning  
15 mode. Further, the air-conditioning management server (300) extracts an  
air-conditioning mode corresponding to an arrangement pattern closest to arrangement  
information included in the arrangement change notification (22) received from the  
storage and retrieval server (200). Then, the air-conditioning management server  
(300) transmits a control instruction to instruct air-conditioning control over the  
20 warehouse (110) in the air-conditioning mode extracted. The warehouse device (120)  
receives a control instruction (21) from the air-conditioning management server (300),  
and performs air-conditioning control over the warehouse (110).

Fig. 1