

## ABSTRACT

### THERMAL STORAGE AIR CONDITIONER

The control section (100) implements: a utilization cooling operation in which the thermal storage medium absorbs heat from the refrigerant and in which the refrigerant  
5 evaporates in the indoor heat exchanger (27), when the receiving section (101) receives a first signal indicating a request for reduced use of power during an operation in which the room is cooled by the refrigerant evaporating in the indoor heat exchanger (27); and a cooling and cold thermal energy storage operation in which the refrigerant absorbs heat from the thermal storage medium and in which the refrigerant evaporates in the indoor heat  
10 exchanger (27), when the receiving section (101) receives a second signal indicating a request for accelerated use of power during the operation in which the room is cooled by the refrigerant evaporating in the indoor heat exchanger (27).

FIG. 8