

CONTAINER REFRIGERATION APPARATUS

ABSTRACT

5 A container refrigeration apparatus includes: a refrigerant circuit (20) which performs a refrigeration cycle, and includes a main circuit (21) sequentially connecting a compressor (30), a condenser (31), a main expansion valve (32) and an evaporator (33), and a hot gas bypass circuit (22) through which a refrigerant compressed in the compressor (30) bypasses the condenser (31) and the main expansion valve (32) to flow into the evaporator
10 (33); and a compressor control section (81) which controls operating speed of rotation of the compressor (30) during heating operation for heating inside of a container by the evaporator (33) while returning the compressed refrigerant from the compressor (30) to the compressor (30) through the hot gas bypass circuit (22) and the evaporator (33) so that a temperature inside the container reaches a target temperature.

Fig. 4