

Title (en)
Refrigerating system

Title (de)
Kälteanlage

Title (fr)
Système frigorifique

Publication
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Application
EP 95113686 A 19950831

Priority

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- JP 15619695 A 19950622

Abstract (en)
A refrigerating system having a cool storage evaporator 14 and a refrigerating evaporator 15 arranged in series. The cool storage evaporator 14 includes a rounded cross sectioned tube 25 which is in contact with a cool storage material stored in containers. The cool storage material has a melting temperature which substantially corresponds to a predetermined value of evaporating temperature of a refrigerant when the temperature inside a refrigerating compartment is reduced to a predetermined value for switching from a refrigerating operation to a cool storage operation. During the refrigerating operation, the cool storage material is prevented from being frozen, thereby preventing a load to the cool storage material. During a cool storage operation obtained by stopping the operation of an inner fan 31, a throttling of a temperature operated expansion valve 13 maintains desired temperature difference between the temperature of the cool storage material and an evaporating temperature of the refrigerant at the cool storage evaporator 14. <MATH>

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Cited by
DE10308542A1; GB2329702A; CN103292388A; CN107621091A; CN105588376A; FR2824388A1; DE102016223050A1; DE102016223050B4; DE10308542B4; US6035658A; EP1278031A3; EP1800074A4; US11833889B2; WO2005024314A3

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