

Title (en)
A REFRIGERATION DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION

Publication
EP 3064873 A1 20160907 (EN)

Application
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Abstract (en)
The refrigeration device (S) according to the present invention comprises a body (G); a freezing compartment (S1) disposed in the body (G); a first refrigeration system for cooling the freezing compartment (S1) and comprising a compressor (K), a condenser and a first evaporator (E1); a refrigerant circulated through the system; an ice-making compartment (1); and a second refrigeration system including a first heat exchanger (2a); a second heat exchanger (2b); a coolant which is passed through the first heat exchanger (2a) and second heat exchanger (2b) and which does not freeze within the operation temperature range of the freezing compartment (S1) and does not undergo a phase change throughout the refrigeration process; a first line (3a), one end of which is connected to the first heat exchanger (2a) and another end of which is connected to the second heat exchanger (2b), and through which the coolant which has left the second heat exchanger (2b) is conveyed to the first heat exchanger (2a); a second line (3b) one end of which is connected to the first heat exchanger (2a) and another end of which is connected to the second heat exchanger (2b), and through which the coolant which has left the first heat exchanger (2a) is conveyed to the second heat exchanger (2b); a circulation pump (4) for circulating the coolant.

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Citation (applicant)
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