

Title (en)
REFRIGERATING CABINET WITH THREE COMPARTMENTS

Publication
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Application
EP 86400171 A 19860128

Priority
FR 8501222 A 19850129

Abstract (en)
[origin: EP0192526A1] 1. A refrigerating cabinet comprising three superposed compartments (1, 2 and 3), which are thermally insulated from each other and are each cooled by an evaporator (10, 20 and 30) with a first compartment ensuring the freezing and preservation of products, at least one (2) of the second and third compartments indifferently ensuring the three functions of chilling, refrigeration and preservation and the other compartment (1) indifferently ensuring the functions of chilling and refrigeration, the compartment (2) ensuring the three functions of chilling, refrigeration and preservation being connected with an independent refrigerating circuit comprising an evaporator (20) and a motor-compressor (21), where as the evaporators (10 and 30) of the first compartment and of the compartment ensuring the functions of chilling and refrigeration are connected with another motor-compressor (40) common to the two compartments, each compartment comprising a circuit for temperature regulation with a thermostat situated in the said compartment, the thermostat (T2) situated in the interior of the compartment ensuring the three functions being a thermostat having two stages, one of them corresponding to the chilling temperatures, and the other to refrigeration temperatures and being connected with the compressor (21) in order to start the compressor (21) and the supply of the associated evaporator (20) situated in the said compartment, when this compartment is used as a chilling compartment or a refrigeration compartment and when the temperature in the interior of the said compartment rises above the desired temperature of chilling the temperature of refrigeration and the thermostat (T3) situated in the freezing compartment and the preserving compartment being connected with the compressor (21) of the compartment with three functions in order to start the compressor (21) when the said compartment is used as a preserving compartment and the temperature in the interior of the freezing and preserving compartment rise above the desired preserving temperature, characterized in that the thermostat (T2) situated in the compartment with three functions comprises a contact (T21) to close the electric supply circuit of the associated compressor (21), when the temperature in the interior of the said compartment rises above the chilling temperature or the refrigerating temperature, in that the compartment is used with a chilling or refrigerating function and in that a contact (13), only closed when the said compartment is used with the preserving function, is placed between the said compressor (21) and another contact (T31) associated with the thermostat (T3) of the freezing and preserving compartment this latter contact (T31) closing when the temperature in the interior of the freezing and preserving compartment rises above the preserving temperature and thus causing the starting of the compressor (21) associated with the compartment having three functions.

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