

Title (en)  
TWO-COMPARTMENT REFRIGERATED CABINET

Publication  
**EP 0178226 B1 19890118 (FR)**

Application  
**EP 85401947 A 19851004**

Priority  
FR 8415327 A 19841005

Abstract (en)  
[origin: EP0178226A1] 1. A refrigerator, comprising a coolant circuit equipped with a single motor-compressor (20), two compartments (11, 12) at different temperatures, each of them being cooled by an evaporator (121, 122, 111), wherein the coolant circuit is loaded with a coolant fluid so that all of the evaporators (121, 122, 111) operate efficiently at maximum ambient temperature, and wherein the control is performed by a thermostat (T) placed in the compartment (12) of higher temperature, characterized in that the evaporator of the compartment of higher temperature comprises two portions (121, 122) each being capable of cooling the compartment (12) of higher temperature, and that the coolant fluid is series-injected, subsequent to compression and pressure relief, into a first portion (121) of the evaporator of the compartment (12) of higher temperature, into the evaporator (111) of the compartment (11) of lower temperature, and into a second portion (122) of the evaporator of the compartment of higher temperature, before being fed to the motorcompressor (20), and that the surfaces and/or the lengths of each portion of the evaporator of the compartment (12) of higher temperature are chosen such that only the first portion (121) is efficient at minimum ambient temperature.

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**F25D 11/02**

IPC 8 full level  
**F25D 11/02** (2006.01)

CPC (source: EP)  
**F25D 11/022** (2013.01); **F25B 2400/052** (2013.01); **F25B 2400/054** (2013.01); **F25B 2500/31** (2013.01); **F25D 2400/04** (2013.01); **F25D 2500/02** (2013.01)

Cited by  
US8978410B2; CN112339302A; US2010192622A1; EP0752563A3; EP3872427A1; WO0014459A1; KR101345666B1

Designated contracting state (EPC)  
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