

Title (en)

Refrigerator system with dual evaporators for household refrigerators

Title (de)

Doppelverdampferkühlvorrichtung für Haushaltskühlschränke

Title (fr)

Système réfrigérateur à deux évaporateurs pour réfrigérateurs ménagers

Publication

EP 0374688 B1 19960522 (EN)

Application

EP 89122896 A 19891212

Priority

US 28884888 A 19881223

Abstract (en)

[origin: EP0374688A2] A refrigerator system suitable for use in a household refrigerator having a freezer compartment and a fresh food compartment is provided. The refrigerator system includes a first expansion valve (11), a first evaporator (13) for providing cooling to the freezer compartment, a first compressor (15), a second compressor (17), a condensor (21), a second expansion valve (23), and a second evaporator (25) providing cooling to the fresh food compartment. All the above elements are connected together in series in that order, in a refrigerant flow relationship. A phase separator (27) connects the second evaporator (25) to the first expansion valve (11) in a refrigerator flow relationship and the phase separator (27) provides intercooling between the first and second compressors.

IPC 1-7

F25B 5/04; **F25B 1/10**

IPC 8 full level

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CPC (source: EP)

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EP 0374688 A2 19900627; **EP 0374688 A3 19910508**; **EP 0374688 B1 19960522**; DE 68926533 D1 19960627; DE 68926533 T2 19970123; JP 2766356 B2 19980618; JP H02225953 A 19900907

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