

Title (en)  
REFRIGERATION DEVICE

Title (de)  
KÄLTEGERÄT

Title (fr)  
APPAREIL FRIGORIFIQUE

Publication  
**EP 1240466 B1 20050622 (DE)**

Application  
**EP 00975926 A 20001026**

Priority  
• DE 19957719 A 19991130  
• EP 0010556 W 20001026

Abstract (en)  
[origin: US6655170B2] A refrigerator includes a heat-insulating housing having compartments separated from one another and each having a different temperature, evaporators each cooling one of the compartments with a refrigerant, each compartment having a different refrigerating capacity, throttles each connected upstream of an evaporator, a refrigerant compressor having a suction side connected to a refrigerant collector, and at least one activator connected to the evaporators, the activator positively and separately controlling circulation of the refrigerant through the evaporators. The compressor is connected to the throttles and evaporators for circulating the refrigerant. One evaporator has a higher capacity and a refrigerant routing portion with a refrigerant reception volume. The collector collects an amount of refrigerant when the compressor is in the standstill phase. More than a majority of the reception volume of the refrigerant routing portion is filled with the refrigerant in the standstill phase of the compressor.

IPC 1-7  
**F25D 11/02**; **F25B 5/02**

IPC 8 full level  
**F25B 5/02** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP US)  
**F25B 5/02** (2013.01 - EP US); **F25D 11/022** (2013.01 - EP US); **F25B 2400/16** (2013.01 - EP US); **F25B 2600/2511** (2013.01 - EP US); **F25D 2400/04** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 2003000241 A1 20030102**; **US 6655170 B2 20031202**; AT E298413 T1 20050715; BR 0015829 A 20020730; CN 100398948 C 20080702; CN 1402825 A 20030312; DE 19957719 A1 20010531; DE 50010611 D1 20050728; EP 1240466 A1 20020918; EP 1240466 B1 20050622; ES 2243321 T3 20051201; TR 200201200 T2 20020821; WO 0140721 A1 20010607

DOCDB simple family (application)  
**US 15803302 A 20020530**; AT 00975926 T 20001026; BR 0015829 A 20001026; CN 00816410 A 20001026; DE 19957719 A 19991130; DE 50010611 T 20001026; EP 0010556 W 20001026; EP 00975926 A 20001026; ES 00975926 T 20001026; TR 200201200 T 20001026