

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLVORRICHTUNG

Title (fr)  
REFRIGERATEUR

Publication  
**EP 1557623 B1 20091118 (EN)**

Application  
**EP 03799145 A 20030926**

Priority  
• JP 0312374 W 20030926  
• JP 2002293954 A 20021007

Abstract (en)  
[origin: EP1557623A1] A refrigerator, aiming for preventing the refrigerating machine oil from flowing into the cabinet even when stored or transported in a state laid on its side as to prevent the risk of catching fire, comprises: a refrigerant circuit using a flammable refrigerant, which is comprised of a compressor 9, a condenser, a throttling device and a cooler; a machine room 2 that is formed onbeneath of a heat-insulator box and is provided with the compressor and with a pipe 15 extended from an element of the refrigerant circuit within a cabinet proper 1; and a go-and-return portion extending in a right-left-wise span of the compressor in its upright posture and a portion 15c extending forward out of rear side of the compressor, which portions are extended from the pipe that runs from a lead 15a taken out into the machine room to a juncture 9a on a face of the compressor. <IMAGE>

IPC 8 full level  
**F25D 19/00** (2006.01); **F25B 1/00** (2006.01); **F25D 11/00** (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP KR)  
**F25D 19/00** (2013.01 - KR); **F25D 23/00** (2013.01 - KR); **F25D 23/006** (2013.01 - EP); **F25B 2400/12** (2013.01 - EP);  
**F25D 2400/24** (2013.01 - EP); **F25D 2400/32** (2013.01 - EP)

Cited by  
EP1598620A3; EP2369268A3; RU2664298C2; US7257961B2; US10697691B2

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**EP 1557623 A1 20050727**; **EP 1557623 A4 20060412**; **EP 1557623 B1 20091118**; CN 100439826 C 20081203; CN 1688854 A 20051026;  
DE 60330175 D1 20091231; JP 2004125353 A 20040422; JP 3946611 B2 20070718; KR 20050054982 A 20050610; TW 200409893 A 20040616;  
TW I245873 B 20051221; WO 2004031666 A1 20040415

DOCDB simple family (application)  
**EP 03799145 A 20030926**; CN 03823779 A 20030926; DE 60330175 T 20030926; JP 0312374 W 20030926; JP 2002293954 A 20021007;  
KR 20057005616 A 20050331; TW 92123523 A 20030827