

Title (en)
REFRIGERATOR

Title (de)
KÜHLVORRICHTUNG

Title (fr)
REFRIGERATEUR

Publication
EP 1557623 A4 20060412 (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 1-7
F25D 19/00

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

Citation (search report)
• [A] EP 0949465 A2 19991013 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [A] US 5890375 A 19990406 - STAAHL MAURI [SE], et al
• [A] EP 0992750 A1 20000412 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 124 (M - 218) 28 May 1983 (1983-05-28)
• See references of WO 2004031666A1

Cited by
EP2369268A3; EP1598620A3; 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