

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 2735827 A4 20150902 (EN)

Application
EP 12816996 A 20120626

Priority
• JP 2011160575 A 20110722
• JP 2012004123 W 20120626

Abstract (en)
[origin: EP2735827A1] A refrigerator (10) includes a heat insulation box (51) having a heat-insulated and defined storage compartment, a door which closes the storage compartment, and a compressor (80). The door is configured so that a natural frequency per unit time is lower than a lowest frequency at which the compressor (80) is operated. Accordingly, even when an operation frequency of the compressor (80) is switched by inverter control, for example, or storage items are stored in the door, it is possible to prevent the door from resonating. It is also possible to suppress vibration of the door against vibration of the compressor (80) without adding an anti-vibration member and prevent resonance.

IPC 8 full level
F25D 23/02 (2006.01); **F25D 19/00** (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP)
F25D 23/006 (2013.01); **F25D 23/02** (2013.01); **F25B 2500/13** (2013.01); **F25B 2600/021** (2013.01)

Citation (search report)
• [Y] JP 2008292096 A 20081204 - HITACHI APPLIANCES INC
• [Y] JP 2003014357 A 20030115 - MITSUBISHI ELECTRIC CORP
• [Y] JP H11311478 A 19991109 - TOSHIBA CORP
• [Y] JP 2006084091 A 20060330 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] JP 2006078174 A 20060323 - HITACHI LTD
• [Y] JP 2001099552 A 20010413 - SANYO ELECTRIC CO
• [Y] JP 2005344961 A 20051215 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2013014857A1

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US2023010720A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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