

Title (en)
COOLING STORAGE

Title (de)
KÜHLLAGERUNG

Title (fr)
DISPOSITIF DE STOCKAGE REFRIGERE

Publication
EP 2034262 A4 20110420 (EN)

Application
EP 07745267 A 20070614

Priority
• JP 2007062010 W 20070614
• JP 2006177705 A 20060628

Abstract (en)
[origin: EP2034262A1] A back face 10A of a refrigerator body 10 has a drain head 33 and a vaporizing receptacle 41 having a vaporizing heater 60. The drain head protrudes from the back face 10A. The drain head 33 drains defrost water to the outside. The vaporizing receptacle 41 is attached below the drain head 33. The vaporizing receptacle 41 includes a body member 42 and a reverse face plate 48. The body member 42 has an opened reverse face and an opened top face, and has a box shape. The reverse face plate 48 has flanges 49 provided around peripheral edges thereof. The flanges 49 of the reverse face plate 48 are overlapped with free edges of the reverse face of the body member 42 and are welded, and thereby a box shape having an opened top face is formed. A concavity 55 is defined by the inside of the flanges 49. A reverse face of the vaporizing receptacle 41 abuts on the back face 10A of the refrigerator body 10 only at thin peripheral walls around the concavity 55 and makes line contact therewith. Furthermore, since the concavity 55 is provided, an air layer A is formed between the back face 10A of the refrigerator body 10 and functions as a heat-insulating layer, the heat of the vaporizing receptacle 41 is difficult to be transferred to the inside of the cabinet.

IPC 8 full level
F25D 21/14 (2006.01)

CPC (source: EP US)
F25D 21/14 (2013.01 - EP US); **F25D 2321/146** (2013.01 - EP US)

Citation (search report)
• [X] JP H0749171 A 19950221 - MATSUSHITA REFRIGERATION
• [X] JP S57137985 U 19820828
• See references of WO 2008001619A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 2034262 A1 20090311; **EP 2034262 A4 20110420**; **EP 2034262 B1 20160217**; AU 2007264546 A1 20080103; CN 101479545 A 20090708; CN 101479545 B 20120725; JP 2008008532 A 20080117; JP 5173156 B2 20130327; US 2010231100 A1 20100916; WO 2008001619 A1 20080103

DOCDB simple family (application)
EP 07745267 A 20070614; AU 2007264546 A 20070614; CN 200780023804 A 20070614; JP 2006177705 A 20060628; JP 2007062010 W 20070614; US 30845807 A 20070614