

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 2902734 A4 20151021 (EN)

Application
EP 13841378 A 20130920

Priority
• JP 2012215889 A 20120928
• JP 2013005573 W 20130920

Abstract (en)
[origin: EP2902734A1] Provided is a refrigerator including a plurality of storage compartments sectioned as upper and lower parts of an interior of a heat insulating box by partitioning walls (118a, 118b), each of the storage compartments having a different temperature zone, and doors (105a) disposed on individual front surfaces of the storage compartments. Further provided are door gaskets (133) provided on the doors (105a) and brought into tight contact with corresponding front surfaces around opening of the heat insulating box, and door frames (135) that openably support the doors (105a). Each of the doors (105a) includes an outer plate, an inner plate (132), a foamed insulator (134) that fills a space between the outer plate and the inner plate (132), and a frame fixing member (136) embedded in the foamed insulator (134). Frame protection members (140) are provided on the storage compartment side of the doors (105a). Heat exchange caused by cooling of the door frames (135) is prevented for reduction of power consumption.

IPC 8 full level
F25D 23/02 (2006.01)

CPC (source: CN EP)
F25D 23/02 (2013.01 - CN EP); **F25D 23/028** (2013.01 - CN); **F25D 17/065** (2013.01 - EP); **F25D 2317/062** (2013.01 - EP);
F25D 2323/023 (2013.01 - CN)

Citation (search report)
• [XY] WO 9819117 A1 19980507 - MATSUSHITA REFRIGERATION [JP], et al
• [YA] JP 2011027356 A 20110210 - PANASONIC CORP
• [A] KR 20080036812 A 20080429 - LG ELECTRONICS INC [KR]
• [A] JP S5694490 U 19810727
• [A] JP 3565398 B2 20040915
• [A] JP 2006046710 A 20060216 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2014050052A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2902734 A1 20150805; EP 2902734 A4 20151021; CN 104685309 A 20150603; CN 104685309 B 20170405; JP 2014070769 A 20140421;
JP 6089223 B2 20170308; WO 2014050052 A1 20140403

DOCDB simple family (application)
EP 13841378 A 20130920; CN 201380050635 A 20130920; JP 2012215889 A 20120928; JP 2013005573 W 20130920