

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2431687 A3 20171213 (EN)

Application
EP 11181359 A 20110915

Priority
• KR 20100091235 A 20100916
• KR 20100091236 A 20100916

Abstract (en)
[origin: EP2431687A2] A refrigerator includes a refrigerator main body having a storage space to store foods and a machine room to accommodate a part of a refrigerant compression cycle apparatus, a condenser disposed between a bottom surface of the refrigerator main body and a lower surface of the storage space, at least one compressor disposed within the machine room, and a blow fan to form an air passage through which external air passed through the condenser is supplied into the compressor and discharged out of the machine room.

IPC 8 full level
F25D 19/04 (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP US)
F25D 19/04 (2013.01 - EP); **F25D 23/003** (2013.01 - EP US); **F25D 2321/1411** (2013.01 - EP US); **F25D 2321/1412** (2013.01 - EP US); **F25D 2323/00264** (2013.01 - EP US); **F25D 2323/00267** (2013.01 - EP US); **F25D 2323/00271** (2013.01 - EP US)

Citation (search report)
• [X] JP H07146054 A 19950606 - TOSHIBA CORP
• [X] CN 1839288 A 20060927 - TOKYO SHIBAURA ELECTRIC CO [JP]
• [X] DE 102008045779 A1 20090319 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] WO 2006058819 A1 20060608 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
• [X] US 4509339 A 19850409 - MEHLAN BERND [DE], et al

Cited by
CN103363762A; EP2682696A3; US2023304679A1; US11959660B2; EP2660542B1

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 2431687 A2 20120321; EP 2431687 A3 20171213; EP 2431687 B1 20191211; CN 102401526 A 20120404; CN 102401526 B 20140730; US 2012067075 A1 20120322

DOCDB simple family (application)
EP 11181359 A 20110915; CN 201110282112 A 20110916; US 201113230893 A 20110913