

Title (en)
Door for refrigerator and refrigerator

Title (de)
Kühlschranktür und Kühlschrank

Title (fr)
Porte de réfrigérateur et réfrigérateur

Publication
EP 2843330 A3 20151111 (EN)

Application
EP 14181018 A 20140814

Priority
CN 201320534766 U 20130829

Abstract (en)
[origin: EP2843330A2] The present invention relates to a door for a refrigerator and a refrigerator. The door (1) includes a door body (2) and a decorative panel (3) in front of the door body, where the door body includes a front panel (211), a door liner (22), a periphery cover (23) connected between the front panel (211) and the door liner (22), and a heat insulation layer (25). The door body further includes an operation and/or display unit (7) and a system housing (8) having an accommodating space (80) that accommodates the operation and/or display unit, where the system housing is connected to the front panel (211), the front panel has an opening (2116) connected to the accommodating space (80), and the operation and/or display unit is attached to a rear side of the decorative panel. According to the present invention, the periphery cover (23) is provided with an insertion channel (91) connected to the accommodating space (80), and the insertion channel and the accommodating space (80) are located at a rear side of the front panel (211) and are isolated from the heat insulation layer (25).

IPC 8 full level
F25D 23/02 (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)
F25D 23/028 (2013.01); **F25D 29/005** (2013.01); **F25D 2400/18** (2013.01); **F25D 2400/36** (2013.01)

Citation (search report)

- [XYI] WO 2007011178 A1 20070125 - LG ELECTRONICS INC [KR], et al
- [Y] WO 2006112633 A1 20061026 - LG ELECTRONICS INC [KR], et al
- [Y] WO 2009104859 A1 20090827 - LG ELECTRONICS INC [KR], et al
- [A] WO 2009083471 A2 20090709 - BSH BOSCH SIEMENS HAÜSGERAETE [DE], et al
- [A] WO 2009080494 A1 20090702 - BSH BOSCH SIEMENS HAUSGERÄTE [DE], et al
- [A] EP 2184571 A2 20100512 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] JP 2001153538 A 20010608 - TOSHIBA CORP
- [A] WO 2009104858 A1 20090827 - LG ELECTRONICS INC [KR], et al

Cited by
CN107782050A; CN113218120A; EP3492848A4; EP3892945A1; WO2017206508A1; WO2016143243A1; EP3809072A1; EP3775726A4; WO2020213861A1; US11402147B2; US11768027B2; US11781806B2; US11892232B2; US11906241B2; US12025368B2; US11287174B2; US11320192B2; US11815304B2; US10760848B2; US11047613B1; US11280540B2; US11280542B2; US11313612B2; US11428457B2; US11940203B2; US11029079B1; US11287175B2; US11293687B2; US11333426B2; US11333427B2; US11340007B2; US11397043B2; US11480384B2; US11867450B2

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 2843330 A2 20150304; EP 2843330 A3 20151111; CN 203687503 U 20140702

DOCDB simple family (application)
EP 14181018 A 20140814; CN 201320534766 U 20130829