

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2781860 A3 20151028 (EN)

Application
EP 13192107 A 20131108

Priority
KR 20130031036 A 20130322

Abstract (en)
[origin: EP2781860A2] A refrigerator with a main body including a refrigerating compartment at a temperature higher than a freezing temperature and a freezing compartment at a temperature lower than the freezing temperature, a deep-freezing storage chamber within the main body at a temperature lower than that of the freezing compartment. The refrigerator further includes a compressor, a condenser connected to an outlet-side of the compressor, a first expansion valve connected to an outlet-side of the condenser, a first evaporator connected to an outlet-side of the first expansion valve, and a heater disposed outside the first expansion valve.

IPC 8 full level
F25B 29/00 (2006.01); **F25B 41/06** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP KR US)
F25B 29/003 (2013.01 - US); **F25B 41/37** (2021.01 - KR); **F25B 41/385** (2021.01 - EP US); **F25D 11/022** (2013.01 - EP KR US); **F25D 19/00** (2013.01 - KR); **F25B 2400/01** (2013.01 - EP KR US); **F25B 2400/073** (2013.01 - EP US); **F25B 2600/2511** (2013.01 - EP KR US); **F25B 2600/2513** (2013.01 - EP KR US)

Citation (search report)

- [I] US 2006266077 A1 20061130 - WIEST MATTHIAS [DE]
- [I] US 3638447 A 19720201 - ABE YORITSUNE
- [I] JP 3583570 B2 20041104

Cited by
CN109974345A

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 2781860 A2 20140924; EP 2781860 A3 20151028; CN 104061732 A 20140924; KR 20140115837 A 20141001; US 2014284025 A1 20140925

DOCDB simple family (application)
EP 13192107 A 20131108; CN 201310445169 A 20130926; KR 20130031036 A 20130322; US 201314055424 A 20131016