

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 2966388 A1 20160113 (EN)

Application
EP 15176010 A 20150709

Priority
KR 20140087439 A 20140711

Abstract (en)
A refrigerator (1) comprises a cabinet (11) including: an outer case (12); an inner case (13); and an insulator disposed between the outer case (12) and the inner case (13); an evaporator plate (100) disposed in the inner case (13), the evaporator plate (100) including: a tube (103) through which a refrigerant flows; and a first coupling part (110, 112), the first coupling part (110, 112) configured to couple the evaporator plate (100) to the inner case (13); a cold storage pack (200) disposed between the evaporator plate (100) and the inner case (13) and accommodating a phase change material (PCM); a plate (300) closely attached to the cold storage pack (200) so that the PCM is uniformly distributed, the plate (300) including a second coupling part (311) at a position corresponding to a position of the first coupling part (110, 112); a frame (500) disposed on a front side of the evaporator plate (100), and having an opening through which a storage item is introduced into and withdrawn from a storage compartment of the evaporator plate (100); and a fixing member (600) fixed to the inner case (13) to support the evaporator plate (100) by passing through the first and second coupling parts (110, 112; 311).

IPC 8 full level
F25D 11/00 (2006.01)

CPC (source: EP KR)
F25D 3/00 (2013.01 - KR); **F25D 3/005** (2013.01 - KR); **F25D 11/00** (2013.01 - KR); **F25D 11/006** (2013.01 - EP); **F25D 23/06** (2013.01 - KR)

Citation (applicant)
EP 0152155 A2 19850821 - PHILIPS NV [NL]

Citation (search report)
• [X] US 4459826 A 19840717 - HIRANO YOSHIMI [JP], et al
• [X] WO 2013156839 A1 20131024 - LG ELECTRONICS INC [KR]

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 2966388 A1 20160113; **EP 2966388 B1 20190703**; CN 105276890 A 20160127; CN 105276890 B 20180710; KR 101668916 B1 20161024; KR 20160007163 A 20160120

DOCDB simple family (application)
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