

Title (en)
REFRIGERATOR HAVING TEMPERATURE TRANSITION ROOM

Title (de)
KÜHLSCHRANK MIT EINEM TEMPERATURÜBERGANGSRAUM

Title (fr)
RÉFRIGÉRATEUR AVEC ENCEINTE DE TRANSITION DE TEMPÉRATURE

Publication
EP 2728283 A4 20150527 (EN)

Application
EP 13772067 A 20130403

Priority

- KR 20120035163 A 20120404
- KR 2013002768 W 20130403

Abstract (en)
[origin: US2014083129A1] The present disclosure relates to a refrigerator having a temperature changing room, including a body including a freezer and a separate cold room; doors adapted to open and close the freezer and the cold room; and the temperature changing room in the cold room to maintain a low temperature state to keep an item stored therein fresh, wherein a rear surface of the temperature changing room communicates with a rear surface of an inner case of the body in contact with the temperature changing room, and the temperature changing room has a cool air supplier adapted to supply cool air directly to an interior thereof from an evaporator behind the rear surface of the inner case of the body through a communicating structure thereof.

IPC 8 full level
F25D 23/12 (2006.01); **F25D 17/08** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP KR US)
F25D 11/00 (2013.01 - US); **F25D 17/045** (2013.01 - US); **F25D 17/065** (2013.01 - EP US); **F25D 17/08** (2013.01 - KR);
F25D 23/12 (2013.01 - KR); **F25D 25/025** (2013.01 - EP US); **F25D 29/00** (2013.01 - KR); **F25D 2317/061** (2013.01 - EP US)

Citation (search report)

- [X] KR 20030058835 A 20030707 - LG ELECTRONICS INC [KR]
- [X] EP 1074802 A2 20010207 - CANDY SPA [IT]
- [X] JP 2002090053 A 20020327 - FUJITSU GENERAL LTD
- [X] JP 2001033142 A 20010209 - MATSUSHITA REFRIGERATION
- [I] WO 2008110516 A2 20080918 - ARCELIK AS [TR], et al
- [X] DATABASE WPI Week 200044, Derwent World Patents Index; AN 2000-497396, XP002738559
- See references of WO 2013151329A1

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)
US 2014083129 A1 20140327; CN 104204696 A 20141210; CN 104204696 B 20170222; EP 2728283 A1 20140507; EP 2728283 A4 20150527; EP 2728283 B1 20160518; KR 20130112632 A 20131014; WO 2013151329 A1 20131010

DOCDB simple family (application)
US 201314116751 A 20130403; CN 201380001425 A 20130403; EP 13772067 A 20130403; KR 20120035163 A 20120404; KR 2013002768 W 20130403