

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 2525171 A4 20140219 (EN)

Application
EP 11753046 A 20110309

Priority
• JP 2011038069 A 20110224
• JP 2010051407 A 20100309
• JP 2011001375 W 20110309

Abstract (en)
[origin: EP2525171A1] A refrigerator (10) capable of keeping the freshness of stored items at a high level irrespective of the storage state of the stored items in the refrigerator (10) and reducing power consumption. The refrigerator (10) includes: a refrigerator main body (11) in which a storage compartment (12) is formed; a cooling device (35) which cools the storage compartment (12); a stored item estimating unit (22) which estimates the total amount or the positions of the stored items (33) in the storage compartment (12); and a control unit (23) which controls the cooling of the storage compartment (12) by the cooling device (35), according to the result of the estimation by the stored item estimating unit (22).

IPC 8 full level
F25D 11/00 (2006.01); **F25D 23/00** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)
F25D 29/00 (2013.01); **F25D 2700/02** (2013.01); **F25D 2700/06** (2013.01)

Citation (search report)
• [X] EP 2103891 A1 20090923 - ELECTROLUX HOME PROD CORP [BE]
• [X] WO 2008110516 A2 20080918 - ARCELIK AS [TR], et al
• [X] US 2008066485 A1 20080320 - PARK EUN YOUNG [KR], et al
• [X] JP 2001174122 A 20010629 - SANYO ELECTRIC CO
• [X] WO 2007024228 A1 20070301 - CARRIER CORP [US], et al
• [X] EP 1821053 A1 20070822 - ELECTROLUX HOME PROD CORP [BE]
• [A] WO 2008072931 A1 20080619 - LG ELECTRONICS INC [KR], et al
• See references of WO 2011111382A1

Cited by
CN104487791A; EP2792979A3; US9372029B2

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

DOCDB simple family (publication)
EP 2525171 A1 20121121; EP 2525171 A4 20140219; EP 2525171 B1 20160518; BR 112012020452 A2 20160517;
BR 112012020452 B1 20200721; BR 112012020452 B8 20201027; CN 102770728 A 20121107; CN 102770728 B 20150708;
JP 5789779 B2 20151007; JP WO2011111382 A1 20130627; WO 2011111382 A1 20110915

DOCDB simple family (application)
EP 11753046 A 20110309; BR 112012020452 A 20110309; CN 201180009429 A 20110309; JP 2011001375 W 20110309;
JP 2012504332 A 20110309