

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 2708834 B1 20210127 (EN)

Application
EP 12781918 A 20120508

Priority
• JP 2011103994 A 20110509
• JP 2011153579 A 20110712
• JP 2011184407 A 20110826
• JP 2011202638 A 20110916
• JP 2011232428 A 20111024
• JP 2012002997 W 20120508

Abstract (en)
[origin: EP2708834A1] Refrigerator (50) includes a storage chamber partitioned by a heat insulation wall and a heat insulation door, for storing a storage object, storage-volume estimating unit (23) for estimating a storage volume in the storage chamber, and memory unit (64) for memorizing a result of estimation by storage-volume estimating unit (23). Further, refrigerator (50) includes arithmetic control unit (22) for calculating a storage change volume based on a result of estimation of the storage volume up to a last time memorized in memory unit (64) and a result of estimation by the storage-volume estimating unit, and for controlling an output operation of an electrofunctional part. The arithmetic control unit compares a predetermined threshold value with the storage change volume, and decides that a storage volume changed when the storage change volume exceeds the threshold value, and controls an output operation of the electrofunctional part.

IPC 8 full level
F25D 11/00 (2006.01); **F25D 21/00** (2006.01); **F25D 23/00** (2006.01); **F25D 27/00** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)
F25D 21/006 (2013.01); **F25D 29/00** (2013.01); **F25D 2400/28** (2013.01); **F25D 2500/04** (2013.01); **F25D 2700/02** (2013.01); **F25D 2700/06** (2013.01); **F25D 2700/12** (2013.01); **F25D 2700/14** (2013.01)

Cited by
GB2530327A; CN112617516A; US11988441B2

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 2708834 A1 20140319; **EP 2708834 A4 20150617**; **EP 2708834 B1 20210127**; **EP 2708834 B8 20210324**; CN 103534542 A 20140122; CN 103534542 B 20160120; JP 2013108738 A 20130606; JP 2013108739 A 20130606; JP 2013108740 A 20130606; JP 2013108741 A 20130606; JP 2013108742 A 20130606; JP 2013108743 A 20130606; JP 2013108744 A 20130606; JP 2013234845 A 20131121; JP 5316672 B2 20131016; JP 5316673 B2 20131016; JP 5316674 B2 20131016; JP 5316675 B2 20131016; JP 5316676 B2 20131016; JP 5316677 B2 20131016; JP 5440644 B2 20140312; JP 6019407 B2 20161102; WO 2012153515 A1 20121115

DOCDB simple family (application)
EP 12781918 A 20120508; CN 201280022822 A 20120508; JP 2012002997 W 20120508; JP 2012101115 A 20120426; JP 2012101116 A 20120426; JP 2012101117 A 20120426; JP 2012101118 A 20120426; JP 2012101119 A 20120426; JP 2012101120 A 20120426; JP 2012101121 A 20120426; JP 2013154244 A 20130725