

Title (en)
REFRIGERATOR AND FULL ICE LEVEL SENSING APPARATUS THEREOF

Title (de)
KÜHLSCHRANK UND VORRICHTUNG DAFÜR ZUR ERFASSUNG DES MAXIMALEN EISFÜLLUNGSZUSTANDS

Title (fr)
RÉFRIGÉRATEUR ET SON DISPOSITIF DE DÉTECTION DE PLEIN NIVEAU DE GLACE

Publication
EP 2399090 B1 20180829 (EN)

Application
EP 09840480 A 20091201

Priority
• KR 2009007115 W 20091201
• KR 20090014067 A 20090219

Abstract (en)
[origin: WO2010095804A1] A refrigerator and a fullan ice level sensing apparatus, the are provided. The refrigerator including a refrigerator may include a main body, and a fullan ice level sensing apparatus provided with including an electronic optical element unit for sending or receiving a signal, and an alignment unit device for aligning and maintaining alignment of the electronic optical element unit in a preset direction, and configured to. The sensing apparatus may sense whether an ice bank for storing ice cubes make storage container in which ice cubes made by an ice maker disposed at the refrigerator main body is at a full ice level, whereby. the The electronic optical element unit is allowed to may be aligned at a preset position by, thus preventing the movement of the electronic optical element unit, resulting in improvement of improved reliability of the sensing of the full ice level apparatus.

IPC 8 full level
F25C 1/24 (2018.01); **F25C 5/18** (2018.01); **F25D 29/00** (2006.01)

CPC (source: EP)
F25C 5/187 (2013.01); **F25C 5/22** (2017.12); **F25D 21/04** (2013.01); **F25C 2400/10** (2013.01); **F25C 2700/02** (2013.01); **F25D 29/00** (2013.01)

Cited by
US2020173707A1; US10837691B2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010095804 A1 20100826; AU 2009340579 A1 20110922; AU 2009340579 B2 20140522; CN 102326042 A 20120118; CN 102326042 B 20140101; EP 2399090 A1 20111228; EP 2399090 A4 20151216; EP 2399090 B1 20180829; EP 3385647 A1 20181010; EP 3385647 B1 20210630; KR 101622601 B1 20160520; KR 20100094880 A 20100827; MX 2011008088 A 20110817

DOCDB simple family (application)
KR 2009007115 W 20091201; AU 2009340579 A 20091201; CN 200980157248 A 20091201; EP 09840480 A 20091201; EP 18173989 A 20091201; KR 20090014067 A 20090219; MX 2011008088 A 20091201