

Title (en)

COOLING DEVICE HAVING A LIGHTING DEVICE DISPOSED OUTSIDE THE COOLING CHAMBER

Title (de)

KÜHLGERÄT MIT EINER AUSSERHALB DES KÜHLRAUMES ANGEORDNETEN BELEUCHTUNGSEINRICHTUNG

Title (fr)

APPAREIL RÉFRIGÉRANT À DISPOSITIF D'ÉCLAIRAGE PLACÉ À L'EXTÉRIEUR DE L'ESPACE DE RÉFRIGÉRATION

Publication

EP 2255138 A2 20101201 (DE)

Application

EP 09713366 A 20090213

Priority

- EP 2009001013 W 20090213
- DE 102008009862 A 20080219

Abstract (en)

[origin: WO2009103458A2] The invention relates to a cooling device having a lighting device disposed outside the cooling chamber, said lighting device being disposed in the region of an upper horizontally oriented wall section of the cooling chamber, wherein the light emitted by a light source illuminates the access opening to the cooling chamber and/or a pulled-out drawer utilizing light beams that are substantially directed vertically toward the bottom. In order to configure a cooling device having a lighting device (1) to be disposed outside the cooling chamber in a space-saving manner, by means of which the region of the access opening and/or a freezer drawer can be optimally illuminated, the lighting device (1) comprises a group of successively disposed light emitting diodes (2) as the light source, with which a fiber optic light guide element having an optical structure is associated in the light emitting direction, said structure being configured such that the light radiation forms a beam path expanding toward the bottom in the manner of a fan.

IPC 8 full level

F25D 27/00 (2006.01); **F21V 5/04** (2006.01)

CPC (source: EP US)

F21V 5/02 (2013.01 - EP US); **F25D 27/00** (2013.01 - EP US); **F21W 2131/305** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

See references of WO 2009103458A2

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009103458 A2 20090827; **WO 2009103458 A3 20091112**; DE 102008009862 A1 20090910; DE 102008009862 B4 20151217; EP 2255138 A2 20101201

DOCDB simple family (application)

EP 2009001013 W 20090213; DE 102008009862 A 20080219; EP 09713366 A 20090213