

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 2872837 B1 20240410 (DE)

Application
EP 13736852 A 20130704

Priority
• DE 102012106200 A 20120710
• EP 2013064130 W 20130704

Abstract (en)
[origin: CA2878788A1] The invention relates to a refrigerator (10) for storing food, comprising an access opening (16) which lies on a vertical plane and which can be closed by a pivotal or movable multi-paned refrigerator door (32, 32'). The refrigerator door (32, 32') has at least two mutually spaced transparent glass panes (54, 55) which are connected to each other at the edges by two vertical and two horizontal spacers (56', 57', 58', 59'). The spacers (56', 57', 58', 59') close the intermediate space (62) between the glass panes in a gas-tight manner. At least one vertical edge of the refrigerator door (32, 32') is provided with a transparent spacer (57') but not with a supporting frame element, however. In this manner, a maximum transparency of the refrigerator door from all viewing angles is achieved.

IPC 8 full level
F25D 23/02 (2006.01); **A47F 3/04** (2006.01); **B21D 41/02** (2006.01); **E06B 3/02** (2006.01); **E06B 3/663** (2006.01)

CPC (source: CN EP US)
A47F 3/04 (2013.01 - US); **A47F 3/043** (2013.01 - US); **A47F 3/0434** (2013.01 - EP US); **B21D 41/028** (2013.01 - EP); **E06B 3/025** (2013.01 - EP); **E06B 3/66333** (2013.01 - EP); **F25D 23/028** (2013.01 - CN EP US); **A47F 3/0434** (2013.01 - CN); **F25D 2400/18** (2013.01 - CN EP US)

Citation (examination)
• DE 102011009879 A1 20120802 - LOHMANN GMBH & CO KG [DE]
• GB 2241013 A 19910821 - BROOKES ALAN JEREMY [GB], et al

Cited by
US9756965B2

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)
DE 102012106200 A1 20140116; **DE 102012106200 B4 20211014**; AU 2013289314 A1 20150205; AU 2013289314 B2 20160204; BR 112015000385 A2 20170627; BR 112015000385 B1 20220104; CA 2878788 A1 20140116; CA 2878788 C 20190730; CN 104508411 A 20150408; CN 104508411 B 20170606; DE 202013011898 U1 20141013; DE 202013012171 U1 20150702; DE 202013012172 U1 20150702; DK 2872837 T3 20240610; EP 2872837 A1 20150520; EP 2872837 B1 20240410; EP 4386169 A2 20240619; FI 2872837 T3 20240620; JP 2015522149 A 20150803; JP 2018159541 A 20181011; JP 6574132 B2 20190911; JP 6799564 B2 20201216; LT 2872837 T 20240625; MX 2015000221 A 20150717; MX 357074 B 20180625; US 2015245720 A1 20150903; US 9756965 B2 20170912; WO 2014009244 A1 20140116

DOCDB simple family (application)
DE 102012106200 A 20120710; AU 2013289314 A 20130704; BR 112015000385 A 20130704; CA 2878788 A 20130704; CN 201380039660 A 20130704; DE 202013011898 U 20130704; DE 202013012171 U 20130704; DE 202013012172 U 20130704; DK 13736852 T 20130704; EP 13736852 A 20130704; EP 2013064130 W 20130704; EP 24168391 A 20130704; FI 13736852 T 20130704; JP 2015520916 A 20130704; JP 2018090687 A 20180509; LT EP2013064130 T 20130704; MX 2015000221 A 20130704; US 201314413707 A 20130704