

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLSCHRANK

Title (fr)  
RÉFRIGÉRATEUR

Publication  
**EP 2869006 A1 20150506 (EN)**

Application  
**EP 13808890 A 20130122**

Priority  
• JP 2012144145 A 20120627  
• JP 2013051157 W 20130122

Abstract (en)  
Abstract: The present embodiment of a refrigerator is provided with an insulated box body, an airflow duct, a housing concavity, and tubing. The insulated box body is provided with an outer box, an inner box, and an insulating material, and the inner box has a storage chamber. The outer box has a left-side plate, a right-side plate, a top plate, a bottom plate, and a back plate. The inner box is disposed within the outer box, and has a left-side plate corresponding to the left-side plate of the outer box, a right-side plate corresponding to the right-side plate of the outer box, a top plate corresponding to the top plate of the outer box, a bottom plate corresponding to the bottom plate of the outer box, and a back plate corresponding to the back plate of the outer box. The insulating material is disposed between the inner box and the outer box, and configures an insulating wall for each section. The air-flow duct is provided to the rear of the storage chamber of the insulated box body, and therewithin is disposed an airflow fan and a cooler configuring a refrigeration cycle that provides cold air to the storage chamber. The housing concavity is formed at the inner box and protrudes inwards. The tubing is disposed in the housing concavity.

IPC 8 full level  
**F25D 23/00** (2006.01); **F25D 19/00** (2006.01)

CPC (source: CN EP)  
**F25D 11/02** (2013.01 - CN); **F25D 19/00** (2013.01 - CN); **F25D 19/003** (2013.01 - CN); **F25D 21/06** (2013.01 - CN); **F25D 23/00** (2013.01 - CN); **F25D 23/062** (2013.01 - EP); **F25B 2400/052** (2013.01 - EP); **F25D 23/068** (2013.01 - EP); **F25D 2201/12** (2013.01 - CN); **F25D 2201/14** (2013.01 - EP)

Cited by  
EP3997400A4; US2018299060A1; US10533697B2

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2869006 A1 20150506**; **EP 2869006 A4 20160113**; **EP 2869006 B1 20210721**; CN 104272045 A 20150107; CN 104272045 B 20160824; CN 106679268 A 20170517; CN 106679268 B 20191231; JP 2014006040 A 20140116; JP 6125163 B2 20170510; TW 201400777 A 20140101; TW I528006 B 20160401; WO 2014002515 A1 20140103

DOCDB simple family (application)  
**EP 13808890 A 20130122**; CN 201380022483 A 20130122; CN 201610539380 A 20130122; JP 2012144145 A 20120627; JP 2013051157 W 20130122; TW 102105547 A 20130218