

Title (en)

COOL AIR SUPPLYING APPARATUS USED IN REFRIGERATOR AND REFRIGERATOR HAVING THE SAME

Title (de)

IN EINEM KÜHLSCHRANK VERWENDETE KÜHLLUFTZUFÜHRVORRICHTUNG UND KÜHLSCHRANK DAMIT

Title (fr)

APPAREIL D'ALIMENTATION EN AIR FROID UTILISÉ DANS UN RÉFRIGÉRATEUR ET RÉFRIGÉRATEUR UTILISANT LEDIT APPAREIL

Publication

**EP 2074361 A4 20130306 (EN)**

Application

**EP 06799325 A 20061019**

Priority

KR 2006004251 W 20061019

Abstract (en)

[origin: WO2008047960A1] The present invention provides a cool air supplying apparatus for a refrigerator including a turbo fan configured to a grill forming a freezing space to blow cool air into the freezing space; and a shroud configured between a casing and the grill so as to cover the turbo fan and includes an opening part which sucks cool air, an orifice formed at an end of the opening part, an inclined part formed so as to incline toward the grill from one end of the orifice, and a flat part formed so as to be integrated with the inclined part and configured at a constant interval from the grill. Therefore, it is possible to increase the height of the blades of the turbo fan without increasing the total size of the refrigerator and causing resistance to the inflow of cool air.

IPC 8 full level

**F25D 17/08** (2006.01); **F25D 17/06** (2006.01)

CPC (source: EP US)

**F25D 17/065** (2013.01 - EP US); **F25D 2317/0681** (2013.01 - EP US); **F25D 2317/0683** (2013.01 - EP US); **F25D 2400/06** (2013.01 - EP US); **F25D 2500/02** (2013.01 - EP US)

Citation (search report)

- [XI] EP 1550811 A2 20050706 - LG ELECTRONICS INC [KR]
- See references of WO 2008047960A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**WO 2008047960 A1 20080424**; CN 101529178 A 20090909; EP 2074361 A1 20090701; EP 2074361 A4 20130306; US 2010205997 A1 20100819

DOCDB simple family (application)

**KR 2006004251 W 20061019**; CN 200680056156 A 20061019; EP 06799325 A 20061019; US 44608309 A 20090417