

Title (en)  
Refrigerator

Title (de)  
Kühlschrank

Title (fr)  
Réfrigérateur

Publication  
**EP 2762806 A3 20150415 (EN)**

Application  
**EP 14153113 A 20140129**

Priority  
• KR 20130010501 A 20130130  
• KR 20130010503 A 20130130  
• KR 20130010504 A 20130130

Abstract (en)  
[origin: EP2762806A2] A refrigerator includes a refrigeration cycle system including a compressor, a condenser, an expansion device, and an evaporator through which a refrigerant sequentially passes; a blower fan sending air cooled by the evaporator to a freezer compartment and a refrigerator compartment; and a damper regulating air sent from the evaporator to the refrigerator compartment, in which when the freezer compartment temperature is not satisfactory and the refrigerator compartment temperature is not satisfactory, the refrigerator operates in a concurrent operation mode in which the compressor is operated, the damper is opened, and first voltage is applied to the blower fan, and when the freezer compartment temperature is not satisfactory and the refrigerator compartment temperature is satisfactory, the refrigerator operates in a freezer compartment single operation mode in which the compressor is operated, the damper is closed, and second voltage lower than the first voltage is applied to the blower fan. Accordingly, it is possible to minimize the power consumed in the freezer compartment single operation mode.

IPC 8 full level  
**F25D 17/04** (2006.01); **F25D 17/06** (2006.01)

CPC (source: EP US)  
**F25D 17/045** (2013.01 - EP US); **F25D 17/065** (2013.01 - EP US); **F25D 17/067** (2013.01 - EP US); **F25B 2600/0251** (2013.01 - EP US); **F25B 2700/02** (2013.01 - EP US); **F25B 2700/172** (2013.01 - EP US); **F25B 2700/173** (2013.01 - EP US); **F25D 2317/0653** (2013.01 - EP US); **F25D 2317/067** (2013.01 - EP US); **F25D 2700/121** (2013.01 - EP US); **F25D 2700/122** (2013.01 - EP US)

Citation (search report)  
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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 2762806 A2 20140806; EP 2762806 A3 20150415; EP 2762806 B1 20161116**; CN 103968633 A 20140806; CN 103968633 B 20170503; US 2014208783 A1 20140731

DOCDB simple family (application)  
**EP 14153113 A 20140129**; CN 201410043690 A 20140129; US 201414166558 A 20140128