

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2762806 B1 20161116 (EN)

Application
EP 14153113 A 20140129

Priority
• KR 20130010501 A 20130130
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• 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 17/06 (2006.01); **F25D 17/04** (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)

Cited by
CN105716354A; WO2023160779A1

Designated contracting state (EPC)
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