

Title (en)

Refrigerator having a dew prevention and/or control device and method for preventing formation of dew therein and/or thereon

Title (de)

Kältegerät mit Vorbeugung von Taubildung und/oder Steuerungsvorrichtung und Verfahren zur Verhinderung der Taubildung darin und/oder daran

Title (fr)

Réfrigérateur comportant une prévention de rosée et/ou dispositif de commande et procédé pour empêcher la formation de rosée dans celui-ci et/ou sur celui-ci

Publication

**EP 2743616 A3 20161207 (EN)**

Application

**EP 13194076 A 20131122**

Priority

KR 20120143501 A 20121211

Abstract (en)

[origin: EP2743616A2] A refrigerator having a dew prevention and/or control device and a method for preventing the formation of dew in and/or on the refrigerator includes a compressor (20) adapted to compress a refrigerant, a condenser (30) adapted to condense the refrigerant from the compressor, an evaporator (40) adapted to cool air existing therearound by evaporating the refrigerant that passes through the condenser, a pipe (70) between the condenser and the evaporator, configured to pass through the refrigerator body, humidity sensors and/or detectors (90) configured to determine a humidity around the refrigerator, and a controller (80) adapted to vary rotational speed of a fan (50) in accordance with the humidity determined by the humidity sensors and/or detectors, thereby efficiently preventing the formation of dew on or in the refrigerator.

IPC 8 full level

**F25D 21/04** (2006.01)

CPC (source: EP KR US)

**F25D 21/04** (2013.01 - EP KR US); **F25D 29/00** (2013.01 - KR); **F25B 2600/111** (2013.01 - EP US); **F25B 2700/02** (2013.01 - EP US); **F25D 23/02** (2013.01 - EP US); **F25D 2700/14** (2013.01 - EP US)

Citation (search report)

- [X] JP H10197122 A 19980731 - TOSHIBA CORP, et al & JP S5554868 U 19800414
- [X] US 2012017612 A1 20120126 - JUNG E BRENT ALDEN [US], et al

Cited by

EP4160122A1

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 2743616 A2 20140618**; **EP 2743616 A3 20161207**; CN 103868303 A 20140618; KR 20140075292 A 20140619; US 2014157805 A1 20140612

DOCDB simple family (application)

**EP 13194076 A 20131122**; CN 201310574751 A 20131115; KR 20120143501 A 20121211; US 201314076002 A 20131108