

Title (en)
Refrigerator and controlling method thereof

Title (de)
Kühlschrank und Steuerungsverfahren dafür

Title (fr)
Réfrigérateur et son procédé de contrôle

Publication
EP 2578970 A3 20180411 (EN)

Application
EP 12006834 A 20121001

Priority
• KR 20110100468 A 20111004
• KR 20110100471 A 20111004
• KR 20110101048 A 20111005

Abstract (en)
[origin: EP2578970A2] Provided is a refrigerator. The refrigerator comprises: a main body (10) providing a storage space in which foods are stored at a low temperature; a vaporizing chamber (300) defined in a side of the main body (10); an evaporator (320) received in the vaporizing chamber (300); a sensor module (400) comprising a sensing part (410) received in the vaporizing chamber (300) to detect an amount of frosts attached to the evaporator (320); a control part (500) controlling an operation of the sensor module (400); and a defrost heater (340) removing the frosts attached to the evaporator (320), wherein the sensor module (400) further comprises at least one sensor defrost part (350) removing frosts attached to the sensing part (410).

IPC 8 full level
F25D 21/08 (2006.01); **F25D 21/00** (2006.01); **F25D 21/02** (2006.01)

CPC (source: EP US)
F25D 21/006 (2013.01 - EP US); **F25D 21/02** (2013.01 - EP US); **F25D 21/08** (2013.01 - EP US)

Citation (search report)
• [X] EP 1726895 A1 20061129 - FLORIS GIUSEPPE [IT]
• [I] DE 2750165 A1 19780524 - MATSUSHITA ELECTRIC IND CO LTD

Cited by
CN106152659A; US11662139B2

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 2578970 A2 20130410; EP 2578970 A3 20180411; EP 2578970 B1 20190814; US 2013081415 A1 20130404

DOCDB simple family (application)
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