Title (en)
No-frost refrigerator

Title (de)
No-Frost Kühlgerät

Title (fr)
Réfrigérateur no-frost

Publication
EP 2722619 A1 20140423 (EN)

Application
EP 13189431 A 20131018

Priority
IT TO20120923 A 20121019

Abstract (en)
The present invention relates to a refrigerating appliance (1), such as a "no-frost" refrigerator, comprising at least one refrigerated cell (2), cooling means comprising at least one evaporator (6), a first duct (7) that puts the cell (2) in fluidic communication with an external surface of the evaporator (6) for feeding air to be cooled, and further comprising a second duct (8) that puts the external surface of the evaporator (6) in fluidic communication with the cell (2) for feeding cooled air, and further comprising air circulation means (10) for circulating air within the first duct (7) and the second duct (8), further comprising defrosting means (6b) adapted to remove ice and/or frost accumulated on the external surface of the evaporator (6), and control means (14) adapted to adjust the operation of the defrosting means (6b); it further comprises a temperature sensor (11) and a humidity sensor (12), which are adapted to measure the temperature and humidity, respectively, of the air flowing in the first duct (7) and are operationally connected to the control means (14), so that the operation of the defrosting means (6b) can be adjusted depending on the readings of the temperature sensor (11) and humidity sensor (12).

IPC 8 full level
F25D 21/00 (2006.01)

CPC (source: EP)
F25D 21/006 (2013.01)

Citation (applicant)
KR 20100009676 A 20100129 - SAMSUNG ELECTRONICS CO LTD [KR]

Citation (search report)
- [XI] JP 2000274916 A 20001006 - SANYO ELECTRIC CO
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Cited by
US11530866B2; EP3764032A4

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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

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