

Title (en)

REFRIGERATING UNIT FOR A REFRIGERATOR, REFRIGERATOR AND ASSOCIATED METHOD

Title (de)

KÜHLEINHEIT FÜR EINEN KÜHLSCHRANK, KÜHLSCHRANK UND ZUGEHÖRIGES VERFAHREN

Title (fr)

UNITÉ DE RÉFRIGÉRATION POUR RÉFRIGÉRATEUR, RÉFRIGÉRATEUR ET PROCÉDÉ ASSOCIÉ

Publication

EP 4286776 A1 20231206 (EN)

Application

EP 22176591 A 20220531

Priority

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Abstract (en)

The invention relates to a refrigerating unit for a refrigerator (1), the refrigerating unit comprising: at least one evaporator (12), configured for being installed in said refrigerator (1) and for causing, in use, a cooling of an inner compartment (2) of said refrigerator (1); at least an active defrosting device comprising at least a first electromechanic transducer (10), arranged in correspondence of said at least one evaporator (12), the at least a first electromechanic transducer (10) being configured to cause, when electrically fed, a discontinuous vibration in correspondence of said at least one evaporator (12), assisting an at least partial removal of ice and/or frost (14) deposited in correspondence of said at least one evaporator (12).

IPC 8 full level

F25D 21/06 (2006.01); **F25D 21/08** (2006.01)

CPC (source: EP)

F25D 21/065 (2013.01); **F25D 21/08** (2013.01)

Citation (applicant)

- CN 104457063 A 20150325 - HAIER GROUP CORP, et al
- CN 105716352 A 20160629 - UNIV NANJING

Citation (search report)

- [XYI] CN 203534030 U 20140409 - HAIER GROUP CO LTD, et al
- [XD] CN 105716352 A 20160629 - UNIV NANJING
- [Y] KR 20040049597 A 20040612 - LG ELECTRONICS INC
- [A] EP 3435003 A1 20190130 - LG ELECTRONICS INC [KR]
- [X] AMER MOHAMMED ET AL: "Review of defrosting methods", RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, vol. 73, 25 January 2017 (2017-01-25), pages 53 - 74, XP029951597, ISSN: 1364-0321, DOI: 10.1016/J.RSER.2017.01.120

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