

Title (en)

Method and device for thawing an evaporator of a heat pump device

Title (de)

Verfahren und Vorrichtung zum Abtauen eines Verdampfers einer Wärmepumpenvorrichtung

Title (fr)

Procédé et dispositif de décongélation d'un évaporateur d'un dispositif de pompe à chaleur

Publication

EP 2366968 A3 20120718 (DE)

Application

EP 11158045 A 20110314

Priority

- DE 102010016005 A 20100317
- DE 102010016603 A 20100423

Abstract (en)

[origin: EP2366968A2] The method involves determining and storing temperatures of air stream and coolant passing through an evaporator (16) by a temperature sensor (20) and an evaporator temperature sensor (18) at or directly after characteristic time point such as after completing a thawing process. Temperature difference of the temperatures of the air stream and the coolant is determined and stored, and the thawing process is triggered by a controller (21) when actual temperature difference and actual coolant temperature exceed a sum of the temperature difference and constants. An independent claim is also included for a device for thawing an evaporator comprising a determining unit and a memory unit for determining and storing temperatures of air stream and coolant passing through the evaporator at or directly after characteristic time point such as after completing a thawing process.

IPC 8 full level

F25D 21/00 (2006.01); **F25B 30/02** (2006.01)

CPC (source: EP)

F25D 21/006 (2013.01); **F25B 30/02** (2013.01)

Citation (search report)

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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)

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