

Title (en)

REFRIGERATION DEVICE WITH A NOISE SENSOR

Title (de)

KÄLTEGERÄT MIT EINEM GERÄUSCHSENSOR

Title (fr)

APPAREIL FRIGORIFIQUE COMPORTANT UN CAPTEUR DE BRUIT

Publication

**EP 3535533 B1 20210609 (DE)**

Application

**EP 17791029 A 20171020**

Priority

- DE 102016221616 A 20161104
- EP 2017076817 W 20171020

Abstract (en)

[origin: WO2018082937A1] The present invention relates to a refrigeration device (100) comprising an electrical device part (107-1, 107-2) which emits noise during operation, a noise sensor (109-1, 109-2) for detecting an intensity of the emitted noise from the electrical device part (107-1, 107-2), and a controller (111) for operating the electrical device part (107-1, 107-2) in a normal operating power range (131). The controller (111) is designed to change an operating power of the electrical device part (107-1, 107-2) within the normal operating power range (131) and to determine a minimum value of the noise intensity which is detected by the noise sensor (109-1, 109-2) and to determine a noise-reduced operating power (139) in order to operate the electrical device part (107-1, 107-2) at the noise-reduced operating power (139).

IPC 8 full level

**F25D 29/00** (2006.01)

CPC (source: EP US)

**F25D 29/00** (2013.01 - EP US); **F25B 2500/12** (2013.01 - EP US); **F25D 2700/00** (2013.01 - EP US)

Cited by

WO2024050610A1; DE102022207931A1

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

DOCDB simple family (publication)

**DE 102016221616 A1 20180509**; CN 109891172 A 20190614; CN 109891172 B 20210413; EP 3535533 A1 20190911; EP 3535533 B1 20210609; PL 3535533 T3 20211213; US 11067333 B2 20210720; US 2019257575 A1 20190822; WO 2018082937 A1 20180511

DOCDB simple family (application)

**DE 102016221616 A 20161104**; CN 201780067639 A 20171020; EP 17791029 A 20171020; EP 2017076817 W 20171020; PL 17791029 T 20171020; US 201716346556 A 20171020