

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 A1 20190911 (DE)**

Application

**EP 17791029 A 20171020**

Priority

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- 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

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018082937A1

Cited by

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**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

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