

Title (en)

REFRIGERATOR LIGHT-SENSING SYSTEM CAPABLE OF SAVING ENERGY AND REDUCING NOISE

Title (de)

LICHTERFASSUNGSSYSTEM FÜR KÜHLSCHRÄNKE, DAS ENERGIE SPAREN UND LÄRM REDUZIEREN KANN

Title (fr)

SYSTÈME DE DÉTECTION DE LUMIÈRE DU RÉFRIGÉRATEUR CAPABLE D'ÉCONOMISER DE L'ÉNERGIE ET DE RÉDUIRE LE BRUIT

Publication

EP 3842718 A1 20210630 (EN)

Application

EP 20166966 A 20200331

Priority

CN 201911371394 A 20191227

Abstract (en)

A refrigerator light-sensing system capable of saving energy and reducing noise comprising a control main body-refrigerator, a lower door hinge cover arranged at the lower end of the refrigerator, and a light-sensing device installed in the lower door hinge cover, wherein the light-sensing device is electrically connected to the refrigerator through a wireless transmission or a wire connection mode; the light-sensing device is internally provided with a light-sensing element, a power supply module, a controller, a refrigerator refrigeration system and a light intensity storage module; the light-sensing element is connected to the controller through a wireless transmission or a wire; the present invention adopts a light-sensing element to convert the detected light signal into an electrical signal; the electrical signal is transmitted to the controller, and the controller judges the operation mode of the refrigeration system according to the intensity of the converted electrical signal; as the refrigerator isn't used when the user rests, the power consumption can be reduced and the noise can be reduced, achieving a better user experience.

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (search report)

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Designated contracting state (EPC)

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