

Title (en)

COOLING DEVICE AND METHOD FOR OPERATING THE SAME

Title (de)

KÜHLVORRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER KÜHLVORRICHTUNG

Title (fr)

APPAREIL FRIGORIFIQUE ET PROCÉDÉ DE FONCTIONNEMENT D'UN TEL APPAREIL

Publication

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Application

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Abstract (en)

[origin: WO2014079892A1] The invention first relates to a refrigerating device (1) with a refrigerating compartment (6) for receiving products to be refrigerated, comprising: at least one evaporator (11) for cooling air flowing around the products to be refrigerated; at least one fan for circulating the air from the refrigerating compartment (6) through the at least one evaporator (11) and back into the refrigerating compartment (6); a finned heat exchanger (12) on an inlet side (13) of the at least one evaporator (11), the air flowing into the at least one evaporator (11) through said heat exchanger; a coolant, by means of which heat can be extracted from the air in the at least one evaporator (11); and an irradiating device (14) which can generate blue light (wavelength λ of 420 to 490 nm) or red light (wavelength λ of 630 to 790 nm). The invention further relates to a method for operating such a refrigerating device (1). In order to reduce the refrigerating device (1) being contaminated with Penicillium, the finned heat exchanger (12) is irradiated with the blue or red light.

IPC 8 full level

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