

Title (en)

INFRARED RADIATOR AND COMPONENT EMITTING INFRARED RADIATION

Title (de)

INFRAROTSTRAHLER UND INFRAROTSTRAHLUNG EMITTIERENDES BAUELEMENT

Title (fr)

ÉMETTEUR INFRAROUGE ET ÉLÉMENT ÉMETTANT UN RAYONNEMENT INFRAROUGE

Publication

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Application

EP 21819807 A 20211124

Priority

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- EP 2021082788 W 20211124

Abstract (en)

[origin: WO2022112306A1] Known infrared radiators have a moulded body, which has a radiation surface that emits short-wave or medium-wave infrared radiation with a first peak emission wavelength. In order to provide, proceeding therefrom, an infrared radiator with an emissions spectrum which is well matched to absorption characteristics with a maximum around 2750 nm, and which furthermore can be operated with a high electrical power density, and with which the warming-up time in industrial applications, such as, for example, drying of inks, joining of plastics or bending of glass, can be shortened, according to the invention a radiation converter material is applied to at least a part of the radiation surface and, as a consequence of heating by the infrared radiation of the first peak emission wavelength, emits infrared radiation with a second peak emission wavelength which is of a longer wavelength than the first peak emission wavelength.

IPC 8 full level

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