

Title (en)

FIRE DETECTION METHOD, APPARATUS, SYSTEM, AND ELECTRONIC DEVICE

Title (de)

BRANDERKENNUNGSVERFAHREN, -VORRICHTUNG, -SYSTEM UND ELEKTRONISCHE VORRICHTUNG

Title (fr)

PROCÉDÉ, APPAREIL, SYSTÈME ET DISPOSITIF ÉLECTRONIQUE DE DÉTECTION D'INCENDIE

Publication

EP 4258234 A1 20231011 (EN)

Application

EP 21900067 A 20211202

Priority

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- CN 2021135096 W 20211202

Abstract (en)

Provided are a fire behavior detection method, apparatus, system, and electronic device. The method comprises: obtaining a visible light image of a high-temperature target (S101), wherein the high-temperature target is a target in a monitored scene having a temperature is higher than a preset temperature threshold, as determined according to an infrared light signal acquired from the monitored scene; when the high-temperature target is determined to meet a fire behavior phenomenon condition and/or not meet an infrared light source condition according to the visible-light image, then determining that a fire has occurred at the high-temperature target (S102), the fire behavior phenomenon condition being that a preset fire phenomenon occurs at the high-temperature target, the infrared light source condition being that the high-temperature target is a preset infrared light source, the preset infrared light source being an infrared light source capable of emitting infrared light when no fire is occurring. On the basis of a determination of temperature, it is possible to further determine, according to the information presented by the visible light image, whether the cause of the high temperature is a fire, thus effectively reducing the false alarm rate.

IPC 8 full level

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CPC (source: CN EP)

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