

Title (en)

APPARATUS AND METHOD FOR MONITORING AT LEAST ONE FLUORESCENT LAMP

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ÜBERWACHUNG WENIGSTENS EINER LEUCHTSTOFFLAMPE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONTRÔLE D'AU MOINS UN TUBE FLUORESCENT

Publication

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Application

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Abstract (en)

[origin: WO2008014941A1] An apparatus for monitoring at least one fluorescent lamp, in particular in an explosion-hazard area, which fluorescent lamp has a lamp tube with electrodes arranged at its ends in the form of filaments, and has a ballast, is improved in order to avoid an excessive temperature increase while maintaining the appropriate explosion protection in that the monitoring apparatus has at least one temperature measurement device, associated with a filament, and an electronic interruption device, by means of which interruption device the power supply can be interrupted by means of the ballast on reaching a predetermined critical temperature. The invention likewise relates to a corresponding method for monitoring at least one fluorescent lamp, in particular in an explosion-hazard area. In this method, the temperature is first of all detected in the area of at least one filament of the fluorescent lamp. The determined temperature is then compared with a predetermined critical temperature, and the power supply to the filament is interrupted by a ballast if the determined temperature reaches or exceeds the predetermined critical temperature.

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