

Title (en)
GAS DISCHARGE LAMP AND A DEVICE FOR CONTROLLING THE TEMPERATURE THEREOF

Title (de)
GASENTLADUNGSLAMPE SOWIE VORRICHTUNG ZU DEREN TEMPERIERUNG

Title (fr)
LAMPE À DÉCHARGE ET DISPOSITIF THERMORÉGULATEUR

Publication
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Application
EP 16727134 A 20160510

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Abstract (en)
[origin: WO2016184716A1] The invention relates to a device for the regulated temperature control of a gas discharge lamp, and to a gas discharge lamp. The claimed device comprises a transformer core (11) of a transformer (14), said transformer core (11) being designed to receive at least one discharge current-conducting connection line (04; 06) of the gas discharge lamp, as a primary winding (12; 13). The transformer (14) forms an energy source for heating a gas discharge lamp functional region (22) which determines a function of said gas discharge lamp and is formed by an amalgam reservoir (22). The device also comprises a secondary winding (16) on the transformer core (11), and a means for regulating temperature (19) which is used to regulate the energy that heats the amalgam reservoir (22). The means for temperature regulation (19) is electrically connected to the secondary winding (16).

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Citation (search report)
See references of WO 2016184716A1

Cited by
US11771865B2; DE102020203417A1; WO2021185582A1; US11666730B2

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