

Title (en)

METHOD FOR OPERATING AN AMALGAM LAMP

Title (de)

VERFAHREN ZUM BETREIBEN EINER AMALGAMLAMPE

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE LAMPE À AMALGAME

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011124310A1] In a known method for operating an amalgam lamp with a rated power Poptimum, provision is made for a lamp voltage Uoptimum suitable for maximum UVC emission to be applied or for a lamp current Ioptimum suitable for maximum UVC emission to flow between electrodes, wherein the discharge space is accessible to an amalgam deposit which can be heated by means of a heating element by conducting a heating current IHeiz through the heating element. In order to specify, on this basis, an operating mode which ensures stable operation in the range of the power optimum, the invention proposes setting a setpoint value for the lamp current Isoll which is lower than Ioptimum, and switching on or increasing the heating current IHeiz when the lamp current drops below a lower limit value I1 while switching off or reducing said heating current when the lamp current exceeds an upper limit value I2.

IPC 8 full level

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