

Title (en)
METHOD FOR OPERATING A LAMP UNIT FOR PRODUCING ULTRAVIOLET RADIATION AND SUITABLE LAMP UNIT FOR THIS PURPOSE

Title (de)
VERFAHREN ZUM BETREIBEN EINER LAMPENEINHEIT ZUR ERZEUGUNG ULTRAVIOLETTES STRAHLUNG SOWIE GEEIGNETE LAMPENEINHEIT DAFÜR

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN ENSEMBLE LAMPE DESTINÉ À PRODUIRE UN RAYONNEMENT ULTRAVIOLET ET ENSEMBLE LAMPE ADAPTÉ AUDIT PROCÉDÉ

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Application
EP 13762118 A 20130912

Priority
• DE 102012109519 A 20121008
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Abstract (en)
[origin: WO2014056670A1] In known methods for operating a lamp unit for producing ultraviolet radiation the lamp unit comprises a gas discharge lamp having a discharge space which is available for a mercury deposit, electronic ballast and a temperature control element adjustable via a control unit for the temperature control of the gas discharge lamp, wherein the lamp is operated using a nominal lamp current and a nominal lamp voltage. To further develop and provide a method for operating a lamp unit with a high emission performance, which method ensures a quick adaptation to modified operating conditions and which moreover allows for a simple and cost-effective operation of the lamp unit, during an operating phase, according to the invention an substantially constant lamp current is applied to the gas discharge lamp, the temperature control element is a cooling element for cooling the gas discharge lamp and the method comprises the following method steps: (a) determining an actual value of the lamp voltage by means of a voltage sensor, (b) transmitting the actual value of the lamp voltage to the control unit, (c) comparing the actual value to a desired value of the lamp voltage by means of the control unit, (d) outputting a control signal by the control unit to the cooling element for adjusting the cooling performance.

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H05B 41/392 (2006.01)

CPC (source: EP US)
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