

Title (en)  
DISCHARGE LAMP WITH DIELECTRICALLY IMPEDED ELECTRODES

Title (de)  
ENTLADUNGSLAMPE MIT DIELEKTRISCH BEHINDERTEN ELEKTRODEN

Title (fr)  
LAMPE A DECHARGE A ELECTRODES PROTEGEES PAR UN DIELECTRIQUE

Publication  
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Application  
**EP 99911602 A 19990218**

Priority  
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Abstract (en)  
[origin: US6310442B1] A discharge lamp (1) including a tubular discharge vessel (2), filled with inert gas and, optionally, a fluorescent layer, having at least three elongated electrodes (3, 4, 5) arranged parallel to the longitudinal axis of the tubular discharge vessel (2). The electrodes are arranged in such a manner that the relationship is satisfied, wherein  $s$  is the maximum spacing between an imaginary connecting line of an electrode pair and the most closely neighboring point on the wall of the tubular discharge vessel, and  $a$  is the mutual spacing between the electrodes of such electrode pair. A higher luminous density is achieved in this way. The lamp is particularly advantageous for a pulsed, dielectrically impeded discharge.

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