

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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• DE 19817475 A 19980420

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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