

Title (en)
HIGH-PRESSURE DISCHARGE LAMP

Title (de)
HOCHDRUCKENTLADUNGSLAMPE

Title (fr)
LAMPE A DECHARGE A HAUTE PRESSION

Publication
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Application
EP 00943843 A 20000621

Priority
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Abstract (en)
[origin: DE19933154A1] The invention relates to a current feed-through for discharge lamps and to a discharge lamp comprising a discharge vessel through whose wall at least one current feed-through is guided, whereby a discharge electrode is arranged on one end of the current feed-through that is arranged in the discharge lamp. The aim of the invention is to provide an additional possibility of increasing the resistance of current feed-throughs, which are arranged in or on discharge lamps, to oxidation and corrosion. To this end, the invention provides that the current feed-through is constructed of at least two separate parts, and that at least one part is made of niobium, tantalum or of alloys based on niobium and/or tantalum. In addition, at least a second part is made of a material which is more resistant to oxidation than niobium, tantalum or than alloys based on niobium and/or tantalum, and the material that is more resistant to oxidation has a melting point greater than 1000 DEG C and a coefficient of expansion less than or equal to $15 \cdot 10^{-6} \text{K}^{-1}$.

IPC 8 full level
H01J 61/36 (2006.01)

CPC (source: EP US)
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Cited by
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