

Title (en)

Short arc high pressure discharge lamp for use in digital projection techniques

Title (de)

Kurzbogen-Hochdruckentladungslampe für digitale Projektionstechniken

Title (fr)

Lampe à décharge à haute pression et à arc court utilisée pour la projection d'images codées sous forme numérique

Publication

EP 1217644 A1 20020626 (DE)

Application

EP 01127159 A 20011115

Priority

DE 10063938 A 20001220

Abstract (en)

[origin: CA2365357A1] In a short-arc high-pressure discharge lamp (1) with a xenon fill for digital projection purposes, the separation L in mm of the two mutually facing end sections (6a, 8c) of the cathode (6) and the anode (8) when the lamp is hot is given by the relationship $0.8 \times P \leq L \leq 1 \times P + 1$, where P is the lamp power in kW. Further, the diameter D of the circular-cylindrical middle section (8a) of the anode (8) in mm obeys the relationship $D \geq 2.1 \times L + 10$.

Abstract (de)

Bei einer Kurzbogen-Hochdruckentladungslampe (1) mit einer Xenonfüllung für digitale Projektionszwecke ist der Abstand L in mm der beiden einander zugewandten Endabschnitte (6a, 8c) von Kathode (6) und Anode (8) im Heißzustand der Lampe durch die Relation $0,8 \times P \leq L \leq 1 \times P + 1$ gegeben, wobei P die Lampenleistung in kW ist. Außerdem folgt der Durchmesser D des kreiszylindrischen Mittelabschnitts (8a) der Anode (8) in mm der Relation $D \geq 2,1 \times L + 10$. <IMAGE>

IPC 1-7

H01J 61/073

IPC 8 full level

H05B 41/16 (2006.01); **H01J 61/073** (2006.01); **H01J 61/86** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP KR US)

H01J 61/073 (2013.01 - EP US); **H01J 61/86** (2013.01 - KR)

Citation (applicant)

DE 20005764 U1 20000608 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]

Citation (search report)

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