

Title (en)

DC short arc lamp

Title (de)

Gleichstromkurzbogenlampe

Title (fr)

Lampe à arc court à courant continu

Publication

EP 0869538 A1 19981007 (DE)

Application

EP 98104178 A 19980309

Priority

DE 19714008 A 19970404

Abstract (en)

A novel d.c. short arc lamp has an asymmetrical bulb shape in which the inner wall (3) is wider around the anode (4) than around the cathode (5). Preferably, the ratio between the anode-half surface area and the cathode-half surface area is 1.1-1.5, exclusive, and the power per unit arc length (6) is greater than 80 W/mm. The lamp filling preferably contains cadmium and/or zinc in addition to an ignition gas, mercury and a halogen. Also claimed is a projection system with a projection lamp as described above.

Abstract (de)

Eine neue Metallhalogenid-Gleichstromkurzbogenlampe weist eine verbesserte asymmetrische Kolbengeometrie auf und enthält ein neues Füllungssystem mit Cadmium und/oder Zink. Ferner wird Schutz für eine entsprechende Projektionslampe beansprucht. <IMAGE>

IPC 1-7

H01J 61/32; **H01J 61/86**; **H01J 61/12**

IPC 8 full level

G03B 21/14 (2006.01); **H01J 61/12** (2006.01); **H01J 61/20** (2006.01); **H01J 61/32** (2006.01); **H01J 61/86** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP US)

H01J 61/125 (2013.01 - EP US); **H01J 61/32** (2013.01 - EP US); **H01J 61/86** (2013.01 - EP US)

Citation (search report)

- [XA] FR 1254794 A 19610224 - LICENTIA GMBH
- [XAY] GB 689962 A 19530408 - GEN ELECTRIC CO LTD, et al
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- [A] EP 0220633 A1 19870506 - GEN ELECTRIC [US]

Designated contracting state (EPC)

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EP 0869538 A1 19981007; **EP 0869538 B1 20021106**; DE 19714008 A1 19981008; DE 59806142 D1 20021212; JP H10283998 A 19981023; US 6054811 A 20000425

DOCDB simple family (application)

EP 98104178 A 19980309; DE 19714008 A 19970404; DE 59806142 T 19980309; JP 10333998 A 19980331; US 4151298 A 19980312