

Title (en)
DC arc Lamp

Title (de)
Gleichstrombogenlampe

Title (fr)
Lamp à arc à courant continu

Publication
EP 1069594 A3 20010321 (DE)

Application
EP 00117488 A 19980309

Priority
• DE 19714009 A 19970404
• EP 98104179 A 19980309

Abstract (en)
[origin: EP0869537A1] A novel d.c. arc lamp has a filling which contains cadmium and/or zinc in addition to an ignition gas, mercury and a halogen. Preferably, the total concentration of Cd and/or Zn is 0.05-3.0 mu mol per ml volume of lamp vessel, the lamp power consumption being up to 170 W at 0.3-3.0 mu mol/ml concentration, 170-300 W at 0.2-2.0 mu mol/ml concentration and 300-3000 W at 0.05-1.0 mu mol/ml concentration. The filling may also contain one or more of Li, In, rare earth metal (especially Dy) and Tl. Also claimed is a projection system with a projection lamp as described above.

IPC 1-7
H01J 61/12; **H01J 61/86**; **H01J 61/32**

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); **H04N 5/74** (2006.01); **H05B 31/00** (2006.01)

CPC (source: EP US)
H01J 61/12 (2013.01 - EP US); **H01J 61/32** (2013.01 - EP US); **H01J 61/86** (2013.01 - EP US)

Citation (search report)
• [A] EP 0623945 A2 19941109 - USHIO ELECTRIC INC [JP]
• [A] GB 689962 A 19530408 - GEN ELECTRIC CO LTD, et al
• [A] GB 600495 A 19480409 - GEN ELECTRIC CO LTD, et al
• [A] EP 0714118 A1 19960529 - USHIO ELECTRIC INC [JP]
• [A] EP 0641015 A2 19950301 - USHIO ELECTRIC INC [JP]
• [A] US 2965790 A 19601220 - KURT ITTIG, et al
• [A] EP 0220633 A1 19870506 - GEN ELECTRIC [US]
• [A] EP 0678898 A2 19951025 - USHIO ELECTRIC INC [JP]
• [A] FR 1254794 A 19610224 - LICENTIA GMBH

Cited by
WO2012022604A1

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0869537 A1 19981007; **EP 0869537 B1 20021204**; DE 19714009 A1 19981008; DE 59805855 D1 20021107; DE 59806489 D1 20030116; EP 1069594 A2 20010117; EP 1069594 A3 20010321; EP 1069594 B1 20021002; JP H10283992 A 19981023; US 6051929 A 20000418

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EP 98104179 A 19980309; DE 19714009 A 19970404; DE 59805855 T 19980309; DE 59806489 T 19980309; EP 00117488 A 19980309; JP 10334098 A 19980331; US 4151198 A 19980312