

Title (en)
High pressure gas discharge lamp

Title (de)
Hochdruckgasentladungslampe

Title (fr)
Lampe à décharge à haute pression

Publication
EP 1107284 A3 20040908 (DE)

Application
EP 00204116 A 20001122

Priority
DE 19957561 A 19991130

Abstract (en)
[origin: DE19957561A1] The lamp has two tungsten electrodes (7a), each of which is mounted on a holder (7b) in an electrode chamber (3) and has a diameter of less than 500 microns. At least one electrode is mounted completely within the electrode chamber, which is in contact with at least one holder at a contact point (8a). The geometry of the electrode and chamber arrangement is defined and at least one holder has a rhenium sleeve. Independent claims are also included for the following: a method of manufacturing a high-pressure gas discharge lamp.

IPC 1-7
H01J 61/073

IPC 8 full level
H01J 61/04 (2006.01); **H01J 61/073** (2006.01); **H01J 61/33** (2006.01); **H01J 61/36** (2006.01); **H01J 61/52** (2006.01); **H01J 61/88** (2006.01)

CPC (source: EP KR US)
H01J 61/04 (2013.01 - KR); **H01J 61/0732** (2013.01 - EP US); **H01J 61/36** (2013.01 - EP US); **H01J 61/523** (2013.01 - EP US);
H01J 61/34 (2013.01 - EP US); **H01J 61/82** (2013.01 - EP US)

Citation (search report)

- [XY] US 5420477 A 19950530 - SIMS JOHN W [US], et al
- [X] US 5083059 A 19920121 - GRAHAM TIMOTHY W [US], et al
- [Y] US 4161672 A 19790717 - CAP DANIEL M [US], et al
- [DY] WO 9837570 A1 19980827 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [Y] US 5404077 A 19950404 - EICHELBOENNER GOTTFRIED [DE], et al
- [Y] EP 0866488 A1 19980923 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] DE 19633150 A1 19980226 - KREBS GLAS LAUSCHA GMBH [DE]
- [A] EP 0315261 A1 19890510 - PHILIPS NV [NL]
- [A] PATENT ABSTRACTS OF JAPAN vol. 0101, no. 29 (E - 403) 14 May 1986 (1986-05-14)

Cited by
CN103836551A; US7291980B2; WO2004079772A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1107284 A2 20010613; EP 1107284 A3 20040908; CN 1193402 C 20050316; CN 1308367 A 20010815; DE 19957561 A1 20010531;
JP 2001167738 A 20010622; JP 4833400 B2 20111207; KR 100830748 B1 20080520; KR 20010052026 A 20010625; US 6646380 B1 20031111

DOCDB simple family (application)
EP 00204116 A 20001122; CN 00128093 A 20001127; DE 19957561 A 19991130; JP 2000364644 A 20001130; KR 20000071621 A 20001129;
US 71824500 A 20001122