

Title (en)
FLASH LAMP AND FLASH LAMP STRUCTURE

Title (de)
BLITZLAMPEN UND BLITZLAMPENAUFBAU

Title (fr)
LAMPE ECLAIR ET STRUCTURE DE LAMPE ECLAIR

Publication
EP 1307898 A2 20030507 (DE)

Application
EP 01974152 A 20010809

Priority
• DE 10039383 A 20000811
• EP 0109226 W 20010809

Abstract (en)
[origin: WO0215213A2] The invention relates to a flash lamp (10) comprising a glass gas-filled discharge tube (10) and, on each end, a power electrode (14, 15) that is sealed by means of a glass solder. The flash lamp has a glass, which comprises one or more of the following UV transmission values Tw: at 180 nm: Tw > 5 %, preferably > 9 %; at 200 nm: Tw > 30 %, preferably > 45 %; at 254 nm: Tw > 60 %, preferably > 80 %. The inside diameter (11) of the discharge tube can be larger than 1.2 times the value of the diameter of the plasma channel. The starting electrode (16) can be a part of the reflector (30-33) or can be electrically connected to the same. The flash capacitor (42) can be rated for a charging voltage of greater than 370 volts, preferably greater than 400 volts.
[origin: WO0215213A2] The invention relates to a flash lamp (10) comprising a glass gas-filled discharge tube (11) and, on each end, a power electrode (14, 15) that is sealed by means of a glass solder (13). The flash lamp has a glass, which comprises one or more of the following UV transmission values Tw: at 180 nm: Tw > 5 %, preferably > 9 %; at 200 nm: Tw > 30 %, preferably > 45 %; at 254 nm: Tw > 60 %, preferably > 80 %. The inside diameter of the discharge tube (11) can be larger than 1.2 times the value of the diameter of the plasma channel. The starting electrode (16) can be a part of the reflector (30-33) or can be electrically connected to the same. The flash capacitor (42) can be rated for a charging voltage of greater than 370 volts, preferably greater than 400 volts.

IPC 1-7
H01J 61/90

IPC 8 full level
H01J 61/02 (2006.01); **H01J 61/16** (2006.01); **H01J 61/30** (2006.01); **H01J 61/54** (2006.01); **H01J 61/80** (2006.01); **H01J 61/90** (2006.01)

CPC (source: EP US)
H01J 61/025 (2013.01 - EP US); **H01J 61/302** (2013.01 - EP US); **H01J 61/54** (2013.01 - EP US); **H01J 61/80** (2013.01 - EP US);
H01J 61/90 (2013.01 - EP US)

Citation (search report)
See references of WO 0215213A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FR GB LI NL

DOCDB simple family (publication)
WO 0215213 A2 20020221; **WO 0215213 A3 20020627**; **WO 0215213 B1 20020906**; CN 1470065 A 20040121; DE 10039383 A1 20020228; EP 1307898 A2 20030507; JP 2004507039 A 20040304; US 2004032218 A1 20040219; US 6867547 B2 20050315

DOCDB simple family (application)
EP 0109226 W 20010809; CN 01817211 A 20010809; DE 10039383 A 20000811; EP 01974152 A 20010809; JP 2002520254 A 20010809; US 34443303 A 20030806