

Title (en)
HIGH PRESSURE DISCHARGE LAMP

Title (de)
Hochdruckentladungslampe

Title (fr)
Lampe à décharge haute pression

Publication
EP 0952608 A1 19991027 (DE)

Application
EP 99107029 A 19990409

Priority
DE 19825004 A 19980424

Abstract (en)
The lamp has a quartz glass bulb (2) with two essentially cylindrical bulb necks (4a) in which two diametrically opposed electrodes (11) are held by electrode rods (10). Each rod is enclosed in the front part of the neck by a supporting roll (5) melted into the neck near the bulb wall. The supporting roll is of conical external shape with its tip towards the electrode, so that the outer diameter of the front end of the supporting roll is smaller than that of the rear end of the supporting roll.

Abstract (de)
Eine Hochdruckentladungslampe weist zur Verbesserung der Berstdruckbeständigkeit ein konisches Stützröllchen (5) auf. Bevorzugt ist das Verhältnis zwischen Außendurchmesser am hinteren und vorderen Ende zwischen 1,1 und 2,5. <IMAGE>

IPC 1-7
H01J 61/36; **H01J 61/073**

IPC 8 full level
H01J 61/073 (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP US)
H01J 61/0732 (2013.01 - EP US); **H01J 61/366** (2013.01 - EP US)

Citation (search report)
• [DA] DE 19618967 A1 19961121 - USHIO ELECTRIC INC [JP]
• [A] US 5569978 A 19961029 - OIYE GEORGE [US], et al
• [A] GB 1108772 A 19680403 - MINI OF TECHNOLOGY

Cited by
EP1393347A1

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

DOCDB simple family (publication)
EP 0952608 A1 19991027; **EP 0952608 B1 20021218**; DE 19825004 A1 19991028; DE 59903804 D1 20030130; JP H11329358 A 19991130; US 6262535 B1 20010717

DOCDB simple family (application)
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