

Title (en)
Low pressure discharge lamp

Title (de)
Niederdruckentladungslampe

Title (fr)
Lampe à décharge à basse pression

Publication
EP 0718869 A1 19960626 (DE)

Application
EP 95119041 A 19951204

Priority
DE 4445532 A 19941220

Abstract (en)
The lamp has a discharge envelope (1') containing a starting amalgam and at least two electrodes with an electrode coil (5) provided with current leads (3',4') at either end, sealed in a glass body (6'). The starting amalgam is provided by a metal plate or grid acting as a carrier (7'), coated with an indium amalgam and partially embedded in the glass body. Pref. the glass body is provided by a glass bead or a glass rod, providing a gas-tight seal of the end of the discharge envelope, in which the carrier is embedded before it is fully hardened.

Abstract (de)
Die Erfindung betrifft eine Niederdruckentladungslampe mit einem innerhalb des Entladungsgefäßes (1) angeordneten Hilfs- oder Anlauf-Amalgam. Das Anlauf-Amalgam befindet sich auf einem, vorzugsweise als Metallblech oder Metallgitter ausgeführten, mit einem Amalgambildner beschichteten Trägerkörper (7), der in der Glasperle (6) des Elektrodengestells bzw. in der Tellerohreinschmelzung teilweise eingeschmolzen ist.
<IMAGE>

IPC 1-7
H01J 61/24; H01J 61/54

IPC 8 full level
H01J 61/28 (2006.01); **H01J 61/24** (2006.01); **H01J 61/54** (2006.01)

CPC (source: EP KR US)
H01J 61/067 (2013.01 - KR); **H01J 61/24** (2013.01 - EP US); **H01J 61/54** (2013.01 - EP US)

Citation (search report)
• [XAY] FR 2438912 A1 19800509 - PHILIPS NV [NL]
• [XA] FR 2115662 A5 19720707 - FEDORENKO ANATOLY, et al
• [A] US 3713201 A 19730130 - EVANS G
• [A] US 4539508 A 19850903 - MULDER BEREND J [NL], et al
• [A] US 3860852 A 19750114 - LATASSA FRANK M, et al
• [A] DE 2616577 A1 19761104 - GTE SYLVANIA INC
• [A] EP 0479259 A2 19920408 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
• [YA] PATENT ABSTRACTS OF JAPAN vol. 009, no. 295 (E - 360) 21 November 1985 (1985-11-21)

Cited by
US7952286B2; WO2008052895A3

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

DOCDB simple family (publication)
EP 0718869 A1 19960626; EP 0718869 B1 19990224; CA 2162339 A1 19960621; CN 1132926 A 19961009; DE 4445532 A1 19960627; DE 59505144 D1 19990401; HU 216848 B 19990928; HU 9503651 D0 19960228; HU T73123 A 19960628; JP H08236073 A 19960913; KR 960026060 A 19960720; US 5686788 A 19971111

DOCDB simple family (application)
EP 95119041 A 19951204; CA 2162339 A 19951107; CN 95121195 A 19951220; DE 4445532 A 19941220; DE 59505144 T 19951204; HU 9503651 A 19951219; JP 34840595 A 19951218; KR 19950052445 A 19951220; US 54773795 A 19951026