

Title (en)  
LOW-PRESSURE MERCURY DISCHARGE LAMP

Title (de)  
NIEDERDRUCKQUECKSILBERENTLADUNGSLAMPE

Title (fr)  
LAMPE A MERCURE A BASSE PRESSION

Publication  
**EP 0907961 B1 20020807 (EN)**

Application  
**EP 98903250 A 19980302**

Priority  

- EP 98903250 A 19980302
- EP 97200921 A 19970327
- IB 9800265 W 19980302

Abstract (en)  
[origin: WO9844537A1] A low-pressure mercury discharge lamp according to the invention is provided with a tubular discharge vessel (10) with a tube axis (11). The discharge vessel (10) encloses a discharge space (12) in a gastight manner, electrodes (21a, 21b) being arranged in said space and having a first (22a, 22b) and a second fastening (22a', 22b'). At least one of the electrodes (21a) is surrounded by a screen (23) which has a smallest width W, in a plane transverse to the tube axis (11) and transverse to the direction from the first (22a) to the second fastening (22a'), which width is smaller than the distance D between the fastenings (22a, 22a'). The screen (23a) has a length L in the direction of the tube axis (11) which lies between once and three times the smallest width W. The lamp consumes comparatively little mercury in the case of cold ignition.

IPC 1-7  
**H01J 61/10**; **H01J 61/24**

IPC 8 full level  
**H01J 61/10** (2006.01); **H01J 61/24** (2006.01); **H01J 61/35** (2006.01); **H01J 61/72** (2006.01)

CPC (source: EP)  
**H01J 61/10** (2013.01); **H01J 61/35** (2013.01); **H01J 61/72** (2013.01)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9844537 A1 19981008**; EP 0907961 A1 19990414; EP 0907961 B1 20020807

DOCDB simple family (application)  
**IB 9800265 W 19980302**; EP 98903250 A 19980302