

Title (en)  
High pressure discharge lamp

Title (de)  
Hochdruckentladungslampe

Title (fr)  
Lampe à décharge à haute pression

Publication  
**EP 0479087 B1 19951220 (DE)**

Application  
**EP 91116145 A 19910923**

Priority  
DE 9013735 U 19901002

Abstract (en)  
[origin: EP0479087A1] The invention relates to a high-pressure discharge lamp having a rotationally symmetrical discharge vessel (19) of quartz glass, whose electrode system is fused into the bulb neck (20) by means of a molybdenum foil fusing-in technique. With the exception of the molybdenum sealing foils (24), all the metallic parts (22, 25, 26) of the electrode system which are fused into the bulb neck (20) are enveloped by profiled molybdenum foils (29, 32, 33, 34, 35, 36, 37). This prevents the quartz glass sticking to the electrode shafts (22) and the current supply leads (26) when the sealing foils (24) are being fused in. The profiled molybdenum foils (29, 32, 33, 34, 35, 36, 37) permit stress-free thermal expansion of the electrode shafts (22) and of the current supply leads (26), and also permit better alignment of the electrode system in the lamp bulb. <IMAGE>

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

IPC 8 full level  
**H01J 61/36** (2006.01); **H01J 61/50** (2006.01)

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Cited by  
DE10159379B4; EP2154706A3; EP2169704A4; WO2009146751A1; US8207673B2

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