

Title (en)  
Halogen lamp

Title (de)  
Halogenlampe

Title (fr)  
Lampe halogène

Publication  
**EP 0802561 A1 19971022 (DE)**

Application  
**EP 97105626 A 19970404**

Priority  
• DE 29607132 U 19960419  
• DE 29620098 U 19961120

Abstract (en)  
The 75 W lamp for general lighting purposes has a cylindrical quartz glass bulb (2) in a bayonet fitting (16). The U-shaped filament (6) is manufactured of tungsten with two coils (8) in a supporting wire frame (9). The coils are terminated with uncoiled sections (19) about 4 mm long fused into a pinch (5) and welded to molybdenum foil seals (20). These sections are manufactured of wire having a maximum diameter of preferably 80  $\mu$ m, and spaced in relation to the applied voltage so that in the event of arcing, the effective field strength is preferably between 200 and 400 V/cm.

Abstract (de)  
Sicherungslose Halogenglühlampe für Hochvolt/Mittelvolt-Betrieb mit einseitig gequetschtem Kolben erzielt inhärente Sicherungswirkung, indem eingequetschter Stromzuführungsabschnitt aus einem ungewendelten Draht mit einem Durchmesser von höchstens 130  $\mu$ m gefertigt ist und der Abstand zwischen den beiden Stromzuführungen geeignet gewählt wird. <IMAGE>

IPC 1-7  
**H01K 1/40**; **H01K 1/66**

IPC 8 full level  
**H01J 5/50** (2006.01); **H01K 1/40** (2006.01); **H01K 1/42** (2006.01); **H01K 1/46** (2006.01); **H01K 1/66** (2006.01)

CPC (source: EP KR US)  
**H01J 5/50** (2013.01 - KR); **H01J 5/60** (2013.01 - EP US); **H01K 1/40** (2013.01 - EP US); **H01K 1/66** (2013.01 - EP US)

Citation (search report)  
• [DA] DE 9102566 U1 19910523  
• [PX] DE 29607132 U1 19960704 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]

Cited by  
US6060820A; EP2544213A4; WO2008145570A3; WO0070652A1; WO2010000325A1; DE102012219135A1; US10004134B2; US10594067B2

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

DOCDB simple family (publication)  
**EP 0802561 A1 19971022**; **EP 0802561 B1 20000719**; CN 1083146 C 20020417; CN 1188562 A 19980722; DE 59702042 D1 20000824; DE 59703946 D1 20010809; EP 0839381 A1 19980506; EP 0839381 B1 20010704; ES 2160351 T3 20011101; HU 218813 B 20001228; HU 220535 B1 20020328; HU 9700773 D0 19970630; HU P9700773 A2 19971229; HU P9700773 A3 20000228; HU P9901460 A2 19990830; HU P9901460 A3 20010528; JP 4054086 B2 20080227; JP H1040879 A 19980213; JP H11508402 A 19990721; KR 100455460 B1 20041217; KR 19990028205 A 19990415; US 5883469 A 19990316; US 6060820 A 20000509; WO 9740511 A1 19971030

DOCDB simple family (application)  
**EP 97105626 A 19970404**; CN 97190332 A 19970414; DE 59702042 T 19970404; DE 59703946 T 19970414; DE 9700750 W 19970414; EP 97922834 A 19970414; ES 97922834 T 19970414; HU P9700773 A 19970418; HU P9901460 A 19970414; JP 11190897 A 19970414; JP 53757797 A 19970414; KR 19970709516 A 19971219; US 84352397 A 19970418; US 97370297 A 19971208