

Title (en)  
ELECTRIC LAMP

Publication  
**EP 0231936 A3 19891018 (DE)**

Application  
**EP 87101471 A 19870204**

Priority  
DE 3603753 A 19860206

Abstract (en)  
[origin: US4795939A] To permit connection of a high temperature resistant plastic material forming a bulb holder element (4, 15, 20) to which a light bulb (1, 14, 19) is attached in the tubular opening of the base structure (5, 16), the bulb holder element is essentially barrel-shaped to permit alignment of the bulb with respect to the base structure, and subsequent connection by welding together the plastic base structure with the plastic bulb holder element by exposure to a high-frequency field. To cause melting of the plastic, ferromagnetic material, typically a nickel-iron alloy, is located between the bulb holder element and the base structure, for example in form of a ring (11) snapped into a groove (12) formed on the holder element.

IPC 1-7  
**H01K 1/46**; **H01J 5/56**

IPC 8 full level  
**H01J 61/34** (2006.01); **H01J 5/56** (2006.01); **H01K 1/46** (2006.01)

CPC (source: EP US)  
**H01J 5/56** (2013.01 - EP US); **H01K 1/46** (2013.01 - EP US)

Citation (search report)  
[A] EP 0129868 A1 19850102 - GTE PROD CORP [US]

Cited by  
EP0639849A1; US5453656A; EP0455884A3; US5270610A; EP0580013A1; US5428261A; US7791259B2; EP0786791A1; US6031323A; EP0490702A1; EP2973889A4; WO2008141630A3

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0231936 A2 19870812**; **EP 0231936 A3 19891018**; **EP 0231936 B1 19921230**; DE 3603753 A1 19870820; DE 3783240 D1 19930211; JP H0766785 B2 19950719; JP S62186459 A 19870814; US 4795939 A 19890103

DOCDB simple family (application)  
**EP 87101471 A 19870204**; DE 3603753 A 19860206; DE 3783240 T 19870204; JP 2369787 A 19870205; US 568487 A 19870121