

Title (en)
ELECTRIC LAMP

Publication
EP 0231936 B1 19921230 (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
H01J 5/56; **H01K 1/46**

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 (examination)
EP 0172529 A2 19860226 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]

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

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