

Title (en)

Method of manufacturing an electric lamp with an external tube

Title (de)

Verfahren zur Herstellung einer elektrischen Lampe mit Aussenkolben

Title (fr)

Procédé pour la fabrication d'une lampe électrique avec ampoule extérieure

Publication

EP 1492146 B1 20120125 (DE)

Application

EP 04012809 A 20040528

Priority

DE 10325554 A 20030605

Abstract (en)

[origin: EP1492146A2] The method involves producing a pumping hole (14) at a tubular sleeve (7) that ends in a bush (8) of a cap portion. An outer bulb (12) is secured to an inner discharge vessel and a portion of the sleeve. An end of outer bulb is heated and guided onto the sleeve. The volume of outer bulb and the sleeve is evacuated and filled with inert gas. The region of the hole is heated using a laser, and the outer bulb is closed.

IPC 8 full level

H01J 9/00 (2006.01); **H01J 5/52** (2006.01); **H01J 5/54** (2006.01); **H01J 9/20** (2006.01); **H01J 9/24** (2006.01); **H01J 9/40** (2006.01); **H01J 61/34** (2006.01); **H01J 61/36** (2006.01); **H01K 1/34** (2006.01); **H01K 1/36** (2006.01); **H01K 3/00** (2006.01)

CPC (source: EP KR US)

H01J 5/52 (2013.01 - EP US); **H01J 5/54** (2013.01 - EP US); **H01J 9/24** (2013.01 - EP US); **H01J 9/247** (2013.01 - EP US); **H01J 61/34** (2013.01 - EP KR US); **H01J 61/368** (2013.01 - EP US)

Cited by

EP1975975A1; WO2010112314A1; DE102009015895A1; EP1720189A1; US7514873B2; WO2010112315A1; WO2008089838A1; WO2010007571A3; WO2007014705A3

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EP 1492146 A2 20041229; **EP 1492146 A3 20100908**; **EP 1492146 B1 20120125**; AT E543196 T1 20120215; CA 2470028 A1 20041205; CN 100538966 C 20090909; CN 1574162 A 20050202; DE 10325554 A1 20041223; JP 2004363110 A 20041224; JP 4518480 B2 20100804; KR 20040110980 A 20041231; US 2004253897 A1 20041216; US 7112116 B2 20060926

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