

Title (en)

Electric lamp with a seal comprising a laser-structured metal led-in conductor

Title (de)

Elektrische Lampe mit einer Laserstrukturierten Metalleinschmelzung

Title (fr)

Lampe électrique dotée d'un scellement ayant comportant un conducteur de métal structuré à laser

Publication

EP 1975972 A3 20100623 (DE)

Application

EP 08102729 A 20080318

Priority

- DE 102007015243 A 20070329
- DE 202007009119 U 20070629

Abstract (en)

[origin: EP1975972A2] The halogen light bulb (1) consists of a light emitting structure (3) arranged inside a glass bulb (2) which is air-tightly sealed with a pinch seal (10). The pinch seal comprises the inner leads (4,5) connected to the light emitting structure and outer leads (8,9) led out from the glass bulb. The pinch seal has the molybdenum foils (6,7) that are arranged between the outer and inner leads and are processed using a laser e.g. carbon dioxide laser.

IPC 8 full level

H01J 9/28 (2006.01); **H01J 9/32** (2006.01); **H01J 61/36** (2006.01); **H01K 1/38** (2006.01); **H01K 1/40** (2006.01)

CPC (source: EP US)

H01J 9/28 (2013.01 - EP US); **H01J 9/326** (2013.01 - EP US); **H01J 61/368** (2013.01 - EP US); **H01K 1/38** (2013.01 - EP US); **H01K 1/40** (2013.01 - EP US)

Citation (search report)

- [X] EP 1160821 A2 20011205 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [X] DE 102005013759 A1 20060928 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [Y] US 2005200279 A1 20050915 - MUTO MASAOKI [JP], et al
- [Y] US 4144473 A 19790313 - ALMER FRIEDRICH H R
- [IP] WO 2007086527 A1 20070802 - HARISON TOSHIBA LIGHTING CORP [JP], et al & EP 1981061 A1 20081015 - HARISON TOSHIBA LIGHTING CORP [JP]
- [A] US 6333508 B1 20011225 - KATSAP VICTOR [US], et al

Cited by

CN104076476A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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