

Title (en)
Foil for use in electrical lamps

Title (de)
Folie zur Verwendung in elektrischen Lampen

Title (fr)
Feuille à l'usage dans des lampes électriques

Publication
EP 1156505 B1 20090415 (DE)

Application
EP 01111636 A 20010514

Priority
AT 3632000 U 20000518

Abstract (en)
[origin: US2002008477A1] A method for producing an electric lamp having a vitreous lamp bulb and a foil of molybdenum or a doped molybdenum alloy which is pinched in the lamp bulb includes post-treating the unfinished foil such that substantially non-contiguous, insular regions of material agglomerates are formed. The material agglomerates are formed of molybdenum, molybdenum alloys, titanium, silicon, an oxide, a mixed oxide and/or an oxidic compound, with a vapor pressure of in each case less than 10 mbar at 2000° C. The substantially non-contiguous, insular regions are formed on at least 5 percent and at most 60 percent of the area of the foil surface. In this way, the adhesive strength between the foil and the glass and therefore also the service life of the lamp are significantly improved.

IPC 8 full level
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H01K 1/08 (2013.01 - KR); **H01K 1/40** (2013.01 - EP US); **H01K 1/24** (2013.01 - KR); **H01K 3/06** (2013.01 - KR)

Cited by
DE102007020067A1; EP1538658A3; DE102007020067B4; US7733026B2; US7345426B2; WO2010057239A1; WO03056607A1; US8408961B2; WO2008132123A2

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