

Title (en)  
Electrical conductor in lamps

Title (de)  
Elektrischer Leiter in Lampen

Title (fr)  
Conducteur électrique dans des lampes

Publication  
**EP 0691673 B1 20000301 (DE)**

Application  
**EP 95201756 A 19950628**

Priority  
AT 132394 A 19940705

Abstract (en)  
[origin: EP0691673A2] The electrical conductor comprises ribbon material based on molybdenum yttrium oxide, and is used to conduct electricity in lamps with glass/metal sealing. In addition to the molybdenum yttrium oxide, the conductor also contains between 0.03 and 1.0 percent by weight of cerium oxide, which corresponds to a cerium oxide/yttrium oxide ratio of 0.1 to 1. Alternatively, the amount of cerium oxide can be replaced by up to 40 percent in weight by one or more of the following oxides: La2O3, Er2O3, SiO2, HfO2, ZrO2, TiO2, Al2O3.

IPC 1-7  
**H01J 61/36**; H01J 9/28; C22C 27/04

IPC 8 full level  
**H01J 5/46** (2006.01); **H01B 1/08** (2006.01); **H01J 29/28** (2006.01); **H01J 61/36** (2006.01); **H01K 1/40** (2006.01)

CPC (source: EP US)  
**H01J 29/28** (2013.01 - EP US); **H01J 61/36** (2013.01 - EP US); **H01J 61/368** (2013.01 - EP US)

Cited by  
EP1538658A3; DE19837904A1; US5962976A; DE19837904B4; US6753650B2; WO2010057239A1; WO2006123271A3; WO2007000006A3; EP1538658A2; US7345426B2; EP0818805B1

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