

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

Designated contracting state (EPC)
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EP 0691673 A2 19960110; **EP 0691673 A3 19971126**; **EP 0691673 B1 20000301**; AT 401124 B 19960625; AT A132394 A 19951015; DE 59507870 D1 20000406; JP 3459318 B2 20031020; JP H0855566 A 19960227; US 5606141 A 19970225

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