

Title (en)
Electrical conductor in lamps

Title (de)
Elektrischer Leiter in Lampen

Title (fr)
Conducteur électrique dans des lampes

Publication
EP 0691673 A2 19960110 (DE)

Application
EP 95201756 A 19950628

Priority
AT 132394 A 19940705

Abstract (en)
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.

Abstract (de)
Die Erfindung betrifft eine bandförmige Stromzuführung auf Molybdän-Yttriumoxidbasis für elektrische Lampen mit Metall-Glasdichtung. Das Bandmaterial enthält neben Molybdän-Yttriumoxid 0,03 bis 1,0 Gew.% Ceroxid, wobei das Verhältnis Ceroxid zu Yttriumoxid 0,1 bis 1 beträgt. Die erfindungsgemäße Stromzuführung weist gegenüber bekannten Stromzuführungen eine deutlich verbesserte Korrosions- bzw. Oxidationsbeständigkeit auf.

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

IPC 8 full level
H01B 1/08 (2006.01); **H01J 5/46** (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)

Citation (applicant)
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