

Title (en)

Infrared radiator, its use and a manufacturing method

Title (de)

Infrarotstrahler, seine Verwendung sowie ein Verfahren zu dessen Herstellung

Title (fr)

Emetteur d'infrarouge, son utilisation ainsi qu'une méthode de fabrication

Publication

**EP 1511360 A3 20070829 (DE)**

Application

**EP 04013953 A 20040615**

Priority

- DE 10339756 A 20030827
- DE 10346101 A 20031004

Abstract (en)

[origin: EP1511360A2] The device has an elongated band carbon heating conductor in an elongated gas-tight quartz glass envelope tube and electrically connected to at least two electrical contacts outside the tube and whereby the heating conductor is held separate from the tube and centered within it by at least one carbon distance holder. The distance holder(s) is a disk (1) with an opening (2) for passing the heating conductor and fills the open cross-section between the heating conductor and the envelope tube. An independent claim is also included for the following: (a) a method of manufacturing an inventive device.

IPC 8 full level

**H05B 3/04** (2006.01); **H05B 3/10** (2006.01); **H01K 1/06** (2006.01); **H01K 1/18** (2006.01); **H01K 3/06** (2006.01); **H01K 3/12** (2006.01); **H01K 7/00** (2006.01); **H05B 3/00** (2006.01)

CPC (source: EP US)

**H01K 1/06** (2013.01 - EP US); **H01K 1/18** (2013.01 - EP US); **H01K 3/12** (2013.01 - EP US); **H05B 3/009** (2013.01 - EP US)

Citation (search report)

- [X] DE 10029437 A1 20020110 - HERAEUS NOBLELIGHT GMBH [DE]
- [A] US 2980820 A 19610418 - BRUNDIGE WILLIAM L, et al
- [DA] US 6057532 A 20000502 - DEXTER AMOS CHRISTOPHER [GB], et al
- [A] US 3443144 A 19690506 - FREESE ROBERT W JR
- [A] GB 1449851 A 19760915 - THORN ELECTRICAL IND LTD

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

**EP 1511360 A2 20050302**; **EP 1511360 A3 20070829**; CN 1592504 A 20050309; JP 2005158689 A 20050616; US 2005047766 A1 20050303

DOCDB simple family (application)

**EP 04013953 A 20040615**; CN 200410076984 A 20040827; JP 2004237730 A 20040817; US 88006604 A 20040629