

Title (en)

Infrared radiator with a protected reflector and its manufacturing method.

Title (de)

Infrarotstrahler mit geschützter Reflexionsschicht und Verfahren zu seiner Herstellung.

Title (fr)

Radiateur infrarouge avec une couche réfléchissante protégée et son procédé de fabrication.

Publication

**EP 0465759 B1 19940427 (DE)**

Application

**EP 91101742 A 19910208**

Priority

DE 4021798 A 19900709

Abstract (en)

[origin: EP0465759A2] In infrared emitters, whose resistance wire is located in a sheathing tube of quartz glass or fused silica, radiant losses can be reduced by means of a reflection layer, for example of gold, located on the sheathing tube. To improve the thermal stability of the reflection layer, a protective coating of zirconium dioxide, silica and/or tin dioxide is proposed. The protective coating can be produced by using thermally decomposable organic compounds of zirconium, silicon and/or tin.

IPC 1-7

**H05B 3/44**

IPC 8 full level

**H05B 3/10** (2006.01); **H05B 3/44** (2006.01)

CPC (source: EP)

**H05B 3/44** (2013.01)

Cited by

DE10253582B3; CN105376876A; EP1038550A3; DE102005018454A1; EP0702395A3; EP1344753A1; DE10211249A1; DE10211249B4; WO2005029536A3

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**EP 0465759 A2 19920115; EP 0465759 A3 19920205; EP 0465759 B1 19940427**; AT E105131 T1 19940515; DE 4021798 A1 19920206; DE 59101486 D1 19940601; JP H04229980 A 19920819; JP H0799712 B2 19951025

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