

Title (en)

Incandescent lamp and reflector type projection lamp.

Title (de)

Glühlampe und Projektionslampe vom Reflektortyp.

Title (fr)

Lampe à incandescence et lampe de projection du type réflecteur.

Publication

**EP 0470496 A2 19920212 (EN)**

Application

**EP 91112878 A 19910731**

Priority

- JP 20946490 A 19900807
- JP 20946590 A 19900807

Abstract (en)

A reflector type projection lamp comprising an incandescent lamp (1) provided on the inner or outer surface of its bulb (2) with an interference layer for reflecting infrared light and transmitting visible light and a reflector (10) provided on its reflecting surface with an interference layer (15) for reflecting visible light and transmitting infrared light is characterized in that the bulb (2) of said incandescent lamp is either spherical or spheroidal. Of the light emitted from the filament (6) of the incandescent lamp, the infrared component is effectively reflected by an interference layer (9) on the bulb and returned to the filament to enhance the overall lighting efficiency of the lamp and reduce the rate of heat irradiated from the lamp into the atmosphere. <IMAGE>

IPC 1-7

**F21V 9/04**; **H01K 1/02**; **H01K 1/32**; **H01K 7/02**

IPC 8 full level

**H01K 1/32** (2006.01); **H01K 7/02** (2006.01)

CPC (source: EP KR)

**H01K 1/18** (2013.01 - KR); **H01K 1/32** (2013.01 - EP); **H01K 7/02** (2013.01 - EP)

Cited by

EP1453078A3; EP0918188A3; EP1009949A4; US6160341A; EP0663684A3; US5548182A; US6111344A; DE19844519A1; DE19844519C2; US5621267A; US6424089B1; WO0019489A1; US6331914B1

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