

Title (en)

Incandescent reflector lamp with sun-like spectral output

Title (de)

Glühlampe mit Reflektor mit sonnenähnlichem Emissionsspektrum

Title (fr)

Lampe à incandescence avec réflecteur à spectre d'émission semblable à celui du soleil

Publication

**EP 0786799 A1 19970730 (EN)**

Application

**EP 97300451 A 19970124**

Priority

GB 9601402 A 19960124

Abstract (en)

In a reflector lamp having a halogen light source (3), a dichroic filter (5) is applied to the front glass (1) of the lamp in order to produce light having a spectral emission with a single peak which substantially matches the emission spectrum of sunlight, at least over the visible range. The dichroic filter is tuned to the characteristics of the particular light source used and reduces the transmission of yellow and red light significantly below the theoretical values for a lamp with no reflector in order to take into account of secondary and multiple reflections when a reflector is present. In an alternative embodiment, the dichroic filter is applied directly to the light source (3). <IMAGE>

IPC 1-7

**H01K 1/26**; **F21V 9/02**

IPC 8 full level

**F21V 9/02** (2006.01); **H01K 1/26** (2006.01)

CPC (source: EP)

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Citation (search report)

- [DA] DE 3931950 A1 19910404 - KAISER ALEXANDER [DE]
- [A] US 4125775 A 19781114 - CHODAK JAN B
- [A] US 2831966 A 19580422 - JAMES PORTEOUS
- [A] PATENT ABSTRACTS OF JAPAN vol. 096, no. 005 31 May 1996 (1996-05-31)
- [A] DATABASE WPI Section Ch Week 8406, Derwent World Patents Index; Class L01, AN 84-035659, XP002029718

Cited by

CN102352970A; EP1399941A4; EP0883889B1

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