

Title (en)

A LIGHTING UNIT HAVING A LAMP AND A REFLECTOR

Publication

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Application

EP 91305037 A 19910604

Priority

JP 14448690 A 19900604

Abstract (en)

[origin: EP0460913A2] The lighting unit of the present invention is composed of a lamp (11) having a first interference multi-layer, filter as the first film (25) and a reflector (31) having a second interference multi-layer filter as the second film (35). The first interference multi-layer filter forms a visible light transparency/ infrared-ray reflecting film and the second interference multi-layer filter forms a infrared-ray transmitting/ visible light reflecting film. Both the first interference multi-layer filter and the second interference multi-layer filter are likely to cause the range of wavelength of light transmitting and light reflecting to vary from the specific range. Therefore both the first film (25) and the second film (35) have means for preventing the above described variation (thickness varying according to the position of the films (25) and (35)). <IMAGE>

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F21V 9/00; F21V 7/22

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Citation (search report)

- [Y] EP 0339130 A2 19891102 - HERAEUS GMBH W C [DE]
- [Y] DE 3126922 A1 19820519 - EGYESUELT IZZOLAMPA [HU]
- [A] US 4707632 A 19871117 - WALSH PETER J [US]
- [A] GB 2202645 A 19880928 - TUNGSRAM RESZVENYTARSASAG

Cited by

EP0986093A1; US6578990B2; CN104641172A; US5548182A; EP0886102A3; EP1614960A1; CN102939500A; EP0752156A4; ITTV20100105A1; US2013154466A1; US9431231B2; US8016468B2; WO02067024A1; WO2006110379A3; WO2014046808A1; WO2012014044A1; WO2005029537A3; WO9410590A1; WO2007078665A1; WO2011141377A1; EP2612346B1; US7244049B2; US7345427B2; US9702519B2

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