

Title (en)
Incandescent lamp

Title (de)
Glühlampe

Title (fr)
Lampe à incandescence

Publication
EP 1156514 A1 20011121 (DE)

Application
EP 01108874 A 20010409

Priority
DE 10023936 A 20000517

Abstract (en)
The top of the lamp bulb (20) is coated with an interference filter (30) consisting of at least four stacks of layers. One, applied to the bulb surface, absorbs blue and violet light. At least one of the subsequent stacks has high and low refracting layers with thicknesses selected so that it has a low transmission to the above light and high for red light whilst a second stack adjusts the edge of the interference filter in the red spectral region.

Abstract (de)
Die Erfindung betrifft eine Glühlampe, deren Lampengefäß (20) ein Interferenzfilter (30) mit lokal unterschiedlicher Schichtdicke zur Erzeugung von rotem Licht aufweist. Das Interferenzfilter (30) besitzt eine zweite Absorberschicht und zusätzliche optisch niedrigbrechende und optisch hochbrechende Schichten zur Verringerung seiner Transmission im violetten, blauen und grünen Spektralbereich. <IMAGE>

IPC 1-7
H01K 1/32

IPC 8 full level
H01K 1/32 (2006.01)

CPC (source: EP US)
H01K 1/32 (2013.01 - EP US); **H01J 61/40** (2013.01 - EP US)

Citation (search report)
• [AD] EP 0986093 A1 20000315 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
• [A] FR 2577347 A3 19860814 - PHILIPS NV [NL]

Cited by
EP1482533A3; US7176606B2; DE102007009013A1; WO2006081802A3

Designated contracting state (EPC)
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EP 1156514 A1 20011121; EP 1156514 B1 20101222; AT E492903 T1 20110115; BR 0102002 A 20011226; CA 2347603 A1 20011117; DE 10023936 A1 20011129; DE 10023936 C2 20020606; DE 50115746 D1 20110203; US 2001043033 A1 20011122; US 6661164 B2 20031209

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