

Title (en)

Fluorescent lamp and lighting appliance using thereof

Title (de)

Leuchtstofflampe und Beleuchtungsanordnung unter Verwendung derselben

Title (fr)

Lampe fluorescente et dispositif d'éclairage l'utilisant

Publication

**EP 1524683 A3 20080227 (EN)**

Application

**EP 04022833 A 20040924**

Priority

- JP 2003331480 A 20030924
- JP 2004068774 A 20040311
- JP 2004223445 A 20040730

Abstract (en)

[origin: EP1524683A2] A fluorescent lamp (100) comprises a glass tube (101) having a glass tube- diameter of 12 - 20 mm which is formed on an endless shape as a whole by being partially folded, a protective coating (102) formed on the inner wall of the glass tube (101), the coating (102) containing a mixture of large particles with a mean particle size not less than 1.0  $\mu\text{m}$  and fine particles with a mean particle size in the range of 10 to 100 nm, a phosphor coating (103) formed on the protective coating (102), a pair of electrodes (104) mounted in both ends (101d) of the glass tube (101), and a discharge medium filled in the glass tube (101).

IPC 8 full level

**H01J 61/32** (2006.01); **H01J 9/22** (2006.01); **H01J 61/28** (2006.01); **H01J 61/30** (2006.01); **H01J 61/35** (2006.01); **H01J 61/46** (2006.01); **H01J 61/56** (2006.01); **H01J 61/72** (2006.01); **H01K 1/32** (2006.01); **H05B 41/24** (2006.01)

CPC (source: EP)

**H01J 61/35** (2013.01); **H01K 1/32** (2013.01)

Citation (search report)

- [X] JP H07288103 A 19951031 - NICHIA KAGAKU KOGYO KK
- [X] EP 0762479 A2 19970312 - GEN ELECTRIC [US]
- [X] EP 1126005 A2 20010822 - GEN ELECTRIC [US]
- [A] EP 1274119 A2 20030108 - GEN ELECTRIC [US]
- [A] EP 0769802 A2 19970423 - GEN ELECTRIC [US]
- [PA] WO 2004013892 A2 20040212 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] JP H11307055 A 19991105 - MATSUSHITA ELECTRONICS CORP
- [A] EP 0618608 A1 19941005 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
- [A] US 5258689 A 19931102 - JANSMA JON B [US], et al
- [AD] EP 0794555 A2 19970910 - TOSHIBA LIGHTING & TECHNOLOGY [JP]

Cited by

EP1635377A3; US8729802B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

**EP 1524683 A2 20050420; EP 1524683 A3 20080227**

DOCDB simple family (application)

**EP 04022833 A 20040924**