

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 A2 20050420 (EN)**

Application

**EP 04022833 A 20040924**

Priority

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

Abstract (en)

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 1-7

**H01J 61/32**; H01J 61/72; H01J 61/35; H01J 61/56; H01J 9/22; H05B 41/24; H01J 61/46; H01J 61/28; H01J 61/30

IPC 8 full level

**H01J 9/22** (2006.01); **H01J 61/28** (2006.01); **H01J 61/30** (2006.01); **H01J 61/32** (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)

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

DOCDB simple family (publication)

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

DOCDB simple family (application)

**EP 04022833 A 20040924**