

Title (en)

FLAT FLUORESCENT LIGHT FOR BACKGROUND LIGHTING AND LIQUID CRYSTAL DISPLAY DEVICE FITTED WITH SAID FLAT FLUORESCENT LIGHT

Title (de)

FLACHLEUCHTSTOFFLAMPE FÜR DIE HINTERGRUNDBELEUCHTUNG UND FLÜSSIGKRISTALLANZEIGE-VORRICHTUNG MIT DIESER FLACHLEUCHTSTOFFLAMPE

Title (fr)

TUBE FLUORESCENT PLAT DESTINE A L'ECLAIRAGE DE FOND ET DISPOSITIF D'AFFICHAGE A CRISTAUX LIQUIDES DOTE DE CE TUBE FLUORESCENT PLAT

Publication

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Application

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Abstract (en)

[origin: US6034470A] PCT No. PCT/DE98/00827 Sec. 371 Date Nov. 17, 1998 Sec. 102(e) Date Nov. 17, 1998 PCT Filed Mar. 20, 1998 PCT Pub. No. WO98/43277 PCT Pub. Date Oct. 1, 1998A flat fluorescent lamp (1) has a discharge vessel (2) having a base plate (7), a top plate (8) and a frame (9) which are connected to one another in a gas-tight fashion by means of solder (10). Structures resembling conductor tracks function in the interior of the discharge vessel as electrodes (3-6), in the feedthrough region as feedthroughs, and in the external region as external supply leads (13; 14). Flat lamps of the most different sizes can thereby be produced simply in engineering terms and in a fashion capable of effective automation. Moreover, virtually any electrode shapes can be realized, in particular optimized with regard to a uniform luminous density with a reduced drop in luminous density towards the edges of the flat lamp. At least the anodes (5, 6) are covered in each case with a dielectric layer (15). The lamp (1) is preferably operated by means of a pulsed voltage source and serves as background lighting for LCDs, for example in monitors or driver information displays.

IPC 1-7

**H01J 61/00; H01J 65/00**

IPC 8 full level

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