

Title (en)
FLUORESCENT LAMP FOR UNIPOLAR OPERATION

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EP 0231303 B1 19891004 (DE)

Application
EP 86904802 A 19860721

Priority
DE 3525888 A 19850719

Abstract (en)
[origin: WO8700683A1] To reduce significantly the cataphoresis of a fluorescent lamp for unipolar operation and lower the anode current density the anode of the tube comprises a useful surface for the formation of the electric field of the discharge equal to 60-100% of the maximum cross-sectional area of the discharge enclosure, measured at right angles to the discharge axis. It is advantageous to equip the anode with heat sink conductors in order to achieve a still higher temperature gradient. A continual external heating of the cathode ensures particularly good ignition characteristics and easy brightness regulation. This is of advantage when using the lamp for the reproduction of alphanumeric signs and images, e.g. in a matrix, display or similar device.

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IPC 8 full level
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