

Title (en)

Hot cathode type discharge lamp apparatus.

Title (de)

Entladungslampe mit heisser Elektrode.

Title (fr)

Lampe à décharge à cathode chaude.

Publication

EP 0254147 A2 19880127 (EN)

Application

EP 87109937 A 19870709

Priority

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- JP 10859686 U 19860715

Abstract (en)

Hot cathode type discharge lamp apparatus of the invention is composed of a tube for discharge lamp, a cathode electrode member in nearly cylindrical form made of a semiconductor porcelain and arranged within the tube and including a longitudinal circumferential surface made a discharge surface, and two lead wires connected to both longitudinal ends of the cathode electrode member and penetrating an end portion of the tube. In the discharge lamp apparatus, since an electron emission material is not used in the cathode electrode but the semiconductor porcelain is used, activation of the electron emission material due to heating is not produced, thereby blackening phenomenon of the tube wall of the discharge tube can be prevented and the life becomes long.

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