

Title (en)

HOT CATHODE TYPE DISCHARGE LAMP APPARATUS

Publication

**EP 0254147 A3 19900321 (EN)**

Application

**EP 87109937 A 19870709**

Priority

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- JP 10859686 U 19860715

Abstract (en)

[origin: EP0254147A2] 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.

IPC 1-7

**H01J 61/06**

IPC 8 full level

**H01J 61/06** (2006.01)

CPC (source: EP KR)

**H01J 1/13** (2013.01 - KR); **H01J 61/06** (2013.01 - EP KR)

Citation (search report)

- [X] US 3766423 A 19731016 - MENELLY R
- [X] US 2251045 A 19410729 - GEORG GAIDIES, et al

Cited by

EP1043751A1; US7103186B1

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DOCDB simple family (application)

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