

Title (en)

Thermionic cathode, process for manufacturing it and electron tube incorporating such a cathode.

Title (de)

Thermoionische Kathode, Verfahren zu ihrer Herstellung und Elektronenröhre mit einer solchen Kathode.

Title (fr)

Cathode thermo-ionique, son procédé de fabrication et tube électronique incorporant une telle cathode.

Publication

EP 0028954 A1 19810520 (FR)

Application

EP 80401501 A 19801022

Priority

FR 7927715 A 19791109

Abstract (en)

[origin: US4393328A] The hot cathode, according to the invention, is constituted by a fritted matrix 1 and a heating filament 4, said matrix being formed from a powder mixture 2 of tungsten and another high work function refractory metal and covered with a high work function refractory metal film 3. FIG. 3.

Abstract (fr)

La cathode selon l'invention est constituée d'une matrice frittée (1) et d'un filament chauffant (4), la dite matrice étant faite d'un mélange (2) de poudres de tungstène et d'un autre métal réfractaire à haut travail de sortie et recouverte d'un film (3) de métal réfractaire à haut travail de sortie.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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