

Title (en)
CATHODE FOR AN ELECTRON GUN

Publication
EP 0003937 B1 19801015 (FR)

Application
EP 79400126 A 19790228

Priority
FR 7805813 A 19780301

Abstract (en)
[origin: US4220889A] A cathode for an electron gun in which a lanthanum hexaboride cap has an internal recess which accommodates a pyrolytic graphite heater element. The cap is cup-shaped, while the heater element is in the form of a frustum of a cone and is resiliently maintained in abutting relationship with the cap by a corrugated tubular member and an assembly of rigid tubes. A cylindrical shell surrounds the periphery of the cap, and a pair of generally conical shielding elements are located in position to intercept stray thermal radiation from the heater element. All of these cathode components are supported in coaxial relationship with each other within the electron gun.

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H01J 3/02

IPC 8 full level
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