

Title (en)

Image intensifier photocathode protection circuit

Title (de)

Schutzschaltung für die Photokathode eines Bildverstärkers

Title (fr)

Circuit de protection pour la photocathode d'un intensificateur d'image

Publication

EP 1139382 A2 20011004 (EN)

Application

EP 01201005 A 20010319

Priority

US 53876500 A 20000330

Abstract (en)

A protection circuit for protecting a photocathode of an image intensifier tube from being overdriven during operation includes a high voltage power supply for supplying the photocathode with a photocathode potential, a measurement circuit for measuring the current supplied to the photocathode, and a logic circuit for interrupting the photocathode potential supplied to the photocathode when the measured current indicates that the photocathode is being overdriven. More specifically, the measurement circuit includes a resistance connected between the high voltage power supply and the photocathode of the intensifier tube; and a sensing circuit for sensing a voltage across the resistance. In another feature, the measurement circuit and the logic circuit are configured to float with respect to ground. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

CN104931974A; EP2859574A4; US9136085B2; US6977465B2; WO2014031208A3; WO03107380A1; EP3900005A4; EP4325544A3

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