

Title (en)

Beam collector with low electrical leakage.

Title (de)

Strahlungskollektor mit geringen elektrischen Verlusten.

Title (fr)

Collecteur de rayonnement à pertes électriques minimales.

Publication

**EP 0276933 A1 19880803 (EN)**

Application

**EP 88300336 A 19880115**

Priority

US 723287 A 19870127

Abstract (en)

The collector (22) in a linear-beam electron tube is insulated from its heat sink (32) so that it can be operated at a depressed potential. The insulation comprises two bands (24,40) of dielectric sequentially in contact between the collector (22) and heat sink (32). The intervening space (44) is sealed off and preferably filled with a dielectric fluid to improve heat transfer and inhibit voltage breakdown. Gaps in one band (24) are preferably aligned with solid parts of the other to reduce electric leakage.

IPC 1-7

**H01J 23/033**

IPC 8 full level

**H01J 23/027** (2006.01)

CPC (source: EP)

**H01J 23/027** (2013.01)

Citation (search report)

- GB 1238822 A 19710714
- US 3749962 A 19730731 - SMITH S, et al
- DE 2906657 A1 19800828 - LICENTIA GMBH

Cited by

GB2273199A; US5436525A; GB2273199B; US6653787B2; US6320315B1; WO0024026A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 88300336 A 19880115**; JP 1275888 A 19880125