

Title (en)  
LINEAR BEAM TUBES

Publication  
**EP 0178359 B1 19880810 (EN)**

Application  
**EP 84307241 A 19841019**

Priority  
• EP 84307241 A 19841019  
• GB 8320613 A 19830730

Abstract (en)  
[origin: EP0178359A1] A linear beam tube may be protected against high voltage arcs between the cathode (2) and anode (3) of its electron gun by connecting to ground a limiting impedance in a series path from said anode. The anode is carried upon the end of a ceramic cylinder (8) which is coaxially within a conical metallic member (9). The end (10) of the ceramic cylinder remote from the anode is attached to one end of said conical metallic member, the other end of which is flanged, with the flange passing through the tube envelope to provide an external termination (11) which may be connected to ground. Resistive material is deposited in a groove (12) in the inner surface of said ceramic cylinder to form a deposited impedance which extends from the anode over the end of the ceramic cylinder, to the end of the conical metallic member and constitutes said limiting impedance.

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**H01J 23/06**; H01J 29/02

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