

Title (en)

Dielectric support rod for a traveling-wave tube.

Title (de)

Dielektrischer Stützstab für eine Wanderfeldröhre.

Title (fr)

Tige diélectrique de support pour un tube à ondes progressives.

Publication

EP 0534762 A1 19930331 (EN)

Application

EP 92308726 A 19920924

Priority

JP 24866691 A 19910927

Abstract (en)

A dielectric support rod for a traveling-wave tube has a core (10) of boron nitride coated with a dielectric (11). The dielectric has a secondary electron emission ratio of 1 or more, when primary electrons of eE (eV) are incident thereon, where E (V) is the voltage between the cathode and the RF circuit of the traveling-wave tube, and e (Coul) is the charge on an electron. The dielectric to be coated on the surface can be alumina or beryllia. The rod does not then become negatively charged such as to cause the track of the electrons to become unstable. <IMAGE> <IMAGE>

IPC 1-7

H01J 23/26

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

DE FR GB

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