

Title (en)

Travelling-wave tube with a helical delay line made of boron nitride and attached to the vacuum tube.

Title (de)

Lauffeldröhre mit wendelförmiger Verzögerungsleitung, welche mittels dielektrischer Halterungsstäbe aus Bornitrid an der Vakuumschale befestigt ist.

Title (fr)

Tube à onde progressive comportant une ligne à retard du type en hélice fixée à un fourreau par l'intermédiaire de supports diélectriques en nitrure de bore.

Publication

EP 0402549 A1 19901219 (FR)

Application

EP 89401635 A 19890613

Priority

FR 8419363 A 19841218

Abstract (en)

The present invention relates to a travelling-wave tube comprising a delay line of the helical type attached to a sleeve by way of dielectric supports made of boron nitride. <?>According to the invention, the boron nitride supports (8) carry a layer (9) of insulating material having a secondary emission coefficient greater than 1, such as for example alumina or beryllia. <IMAGE>

IPC 1-7

H01J 23/26

IPC 8 full level

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CPC (source: EP US)

H01J 23/26 (2013.01 - EP US)

Citation (search report)

- [A] DE 3406051 A1 19850822 - SIEMENS AG [DE]
- [A] Conf. Proc. Microwaves 1986, 24-26 juin 1986, Brighton, GB. Microwave exhibitions and publishers Ltd, GB. pages 360-365. H.J. SLOLEY et al.: "High power, high frequency helix TWT's."

Cited by

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DE GB IT

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