

Title (en)

Method of fabricating a travelling-wave tube delay line.

Title (de)

Herstellungsverfahren für eine Verzögerungsleitung für eine Wanderfeldröhre.

Title (fr)

Procédé de fabrication d'une ligne à retard pour tube à onde progressive.

Publication

EP 0347624 B1 19950215 (DE)

Application

EP 89109841 A 19890531

Priority

DE 3820919 A 19880621

Abstract (en)

[origin: EP0347624A1] For amplification and output power independent of frequency over several octaves, the travelling-wave tube is constructed with a helix (9) fixed and adjusted by means of retaining rods (8) within an assembly of three paraxial loading bars (4) on the internal surface of the conductive cylinder (5), leaving a precisely defined gap (12) between the bars (4) and helix (9). The bars (4) are mfd. in one piece with the cylinder (5) and shaped by wire spark machining to the desired cross-section. The spacers (1) and pole pieces (2) are strung on a thick-walled nonmagnetic tube (3) and soldered together.

IPC 1-7

H01J 23/26

IPC 8 full level

H01J 23/16 (2006.01); **H01J 23/26** (2006.01)

CPC (source: EP US)

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Cited by

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