

Title (en)

BROAD-BAND COUPLING DEVICE BETWEEN THE DELAY LINE OF A TRAVELLING-WAVE TUBE AND THE EXTERNAL ENERGY-TRANSMITTING CIRCUIT, AND TRAVELLING-WAVE TUBE COMPRISING SUCH A DEVICE

Publication

**EP 0274950 B1 19900808 (FR)**

Application

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Priority

FR 8617879 A 19861219

Abstract (en)

[origin: US4871950A] A wide band device is provided for coupling between the delay line of a travelling wave tube and the external circuit transmitting the energy of the tube, comprising a coupling wave guide having a single ridge, connected on one side to the delay line and on the other being extended by one of the two ridges of the output guide, the section of the coupling guide increasing progressively, with constant impedance from the line to the output guide whereas this latter has an impedance transformer providing impedance matching between its standard guide part and the coupling guide.

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CPC (source: EP US)

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Cited by

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