

Title (en)

MICROWAVE TUBE DELAY LINE COOLED BY A CIRCULATING FLUID AND MICROWAVE TUBE CONTAINING SUCH A DELAY LINE

Publication

EP 0004492 A3 19791017

Application

EP 79400143 A 19790306

Priority

FR 7808673 A 19780324

Abstract (en)

[origin: US4243914A] A delay line for a high frequency tube that is cooled by circulating fluid. The cooling fluid circulates in a duct (FIG. 3, 10), formed in the space between two sleeves (8 and 9). The sleeves are of non-magnetic material, impervious to the cooling fluid, and have an axis parallel to the axis of the delay line. The first sleeve (8), is vacuum tight, brazed or hard soldered to dielectric supports (2) and, in cross section connects two adjacent supports in a straight line. The second sleeve (9), is cylindrical, and contains the first sleeve to which it is brazed at several points. A focusing device made of permanent magnets is mounted on the second sleeve. The invention will find use in high frequency tubes.

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CPC (source: EP US)

H01J 23/005 (2013.01 - EP US); **H01J 23/26** (2013.01 - EP US)

Citation (search report)

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