

Title (en)

High Tension Resistor, specifically for Current Limiting Purposes within an Travelling Wave High Frequency Transmitter Tube

Title (de)

Hochspannungswiderstand, speziell zur Strombegrenzung in Wanderwellen-HF-Sende-Röhren

Title (fr)

Résistance haute tension, notamment de limitation de courant dans un émetteur à tube hyperfréquence à onde progressive

Publication

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Application

**EP 01400289 A 20010206**

Priority

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Abstract (en)

[origin: US2001020890A1] This invention relates to a high voltage resistance. The resistance comprises at least one organic substrate (21) and a flat conductor (22) with length L, width I fixed to the organic substrate and with a given resistivity rho and a thickness epsi, the value R of the resistance being equal to rhoL/Ie, the values of the length L, width I being defined such that the mass of the flat conductor (22) is sufficient to resist electrical arcing without exceeding a given temperature. This invention is particularly applicable for current limitation resistances in microwave progressive wave tube emitters, used for example in airborne radar systems.

IPC 8 full level

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