

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

**EP 1126479 B1 20060927 (FR)**

Application

**EP 01400289 A 20010206**

Priority

FR 0001541 A 20000208

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 l 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/le, the values of the length L, width l 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

**H01C 7/22** (2006.01); **H01C 7/12** (2006.01); **H01J 23/30** (2006.01); **H01J 25/34** (2006.01)

CPC (source: EP US)

**H01C 7/12** (2013.01 - EP US); **H01C 7/22** (2013.01 - EP US); **H01J 23/30** (2013.01 - EP US); **H01J 2225/34** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1126479 A1 20010822**; **EP 1126479 B1 20060927**; AT E341087 T1 20061015; CA 2334423 A1 20010808; DE 60123303 D1 20061109; FR 2804788 A1 20010810; FR 2804788 B1 20020920; US 2001020890 A1 20010913

DOCDB simple family (application)

**EP 01400289 A 20010206**; AT 01400289 T 20010206; CA 2334423 A 20010202; DE 60123303 T 20010206; FR 0001541 A 20000208; US 77668801 A 20010206