

Title (en)

DEVICE TO PROTECT A RECEIVER CONNECTED TO AN ANTENNA FROM LIGHTNING AND AEROPLANE USING THIS DEVICE.

Title (de)

VORRICHTUNG ZUM SCHUTZ EINES ANTENNENEMPFAENGERS GEGEN BLITZSCHLAG UND FLUGZEUG MIT DIESEM VORRICHTUNG

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LA FOUDRE D'UN RÉCEPTEUR D'ANTENNE ET AVION LE COMPORTANT

Publication

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Application

**EP 10779553 A 20101122**

Priority

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Abstract (en)

[origin: WO2011064157A1] The invention relates to a lightning protection device (25) for an antenna receiver, comprising a shield (40, 70) for a coaxial cable (35, 65) connected to the antenna, and a high-pass filter mounted in series relative to said shield and capable of limiting the low-frequency power flowing in said coaxial cable, comprising a capacitor (30, 50, 55) and an inductor lower than 1 ohm at the lowest frequency used by said receiver, said capacitor including at least one layer of a conductive material embedded in a printed circuit. In some embodiments, the capacitor is made of a printed circuit (30) comprising at least two floorplans (50, 55), each of which is connected to the ground of a connector (80, 85) of the coaxial cable. The printed circuit may e.g. comprise at least one layer of a highly pervious material sandwiched between two layers of a conductive material.

IPC 8 full level

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