

Title (en)
SLOT ANTENNA FOR ARTILLERY AMMUNITION

Title (de)
SCHLITZANTENNE FÜR ARTILLERIEMUNITION

Title (fr)
ANTENNE FENDUE DESTINEE A UNE MUNITION D'ARTILLERIE

Publication
EP 1417731 B1 20070404 (DE)

Application
EP 01982436 A 20011017

Priority
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• EP 0112010 W 20011017

Abstract (en)
[origin: US2004196199A1] A slot antenna, for the fuse of artillery ammunition, is provided through a sandwich structure in which an axially divided resonator ring chamber axially enclosed between upper and lower metallic cover discs profiled to be stable in respect of shape, is provided with a dielectric ring disc which extends with a peripherally extending color radially opposite a central cylindrical reflector wall through an axial slot between the two hollow-cylindrical outside walls of the ring chamber to the outer surface of the fuse casing which is also peripherally slit. In one of the two cover discs the inner edge of the antenna slot which opens into the ring space is defined by a hoop which is inserted into the front side of the outer wall and on which connecting locations which are displaced relative to each other in the peripheral direction are contacted through the dielectric ring disc and the axially oppositely disposed cover disc to a circuit carrier disc, where they are brought together in single-phase manner through a matching network to an antenna line, the second phase of which is connected to the cover disc adjacent thereto.

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CPC (source: EP KR US)
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