

Title (en)

RADAR REFLECTOR FOR AN ARTILLERY PROJECTILE

Publication

**EP 0053658 B1 19841031 (DE)**

Application

**EP 81107112 A 19810910**

Priority

CH 889180 A 19801202

Abstract (en)

[origin: CA1162277A] 6875 INVENTOR: RUDOLF HELLER and IWAN KAHN CAN INVENTION: RADAR REELECTOR FOR AN ARTILLERY SHELL A body which can be axially incorporated at an artillery shell comprises a functional or operational element constructed as a radar reflector. A sleeve element is arranged at such functional element. This sleeve element is rotationally symmetrical about a lengthwise axis and is intended to be attached to the artillery shell. The functional element and the sleeve element are constructed as one piece or integrally. At the inside surface of the sleeve element there are formed in a turnably symmetrical or rotationally symmetrical manner beads, fins or claws or the like. The inner surface of the sleeve element is provided with an adhesive layer formed, for instance, of corundum powder contained in a synthetic resin. At the outside surface of the sleeve element there is arranged a fuse cord, the detonation of which produces a formlocking or positive connection of the sleeve element with the ordnance projectile or shell.

IPC 1-7

**H01Q 15/14**; **F42B 13/34**; **F42B 13/02**; **B23K 20/08**; **H01Q 1/28**

IPC 8 full level

**B23K 20/08** (2006.01); **F42B 12/00** (2006.01); **F42B 12/38** (2006.01); **F42B 30/08** (2006.01); **H01Q 1/28** (2006.01); **H01Q 15/14** (2006.01)

CPC (source: EP US)

**F42B 12/387** (2013.01 - EP US); **F42B 30/08** (2013.01 - EP US); **H01Q 1/281** (2013.01 - EP US); **Y10T 29/49806** (2015.01 - EP US)

Citation (examination)

- FR 1348590 A 19640110
- INTERNATIONAL CONFERENCE ON ANTENNES AND PROPAGATION, Part 1: Antennes, 28.-30.November 1978, The Institution of Electrical Engineers, Savoy Place, London, G.B. A.R. SINDORIS et al.: "The spiral slot - A unique microstrip antenna", Seiten 150-154

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0053658 A2 19820616**; **EP 0053658 A3 19820901**; **EP 0053658 B1 19841031**; AT E10148 T1 19841115; CA 1162277 A 19840214; DE 3166984 D1 19841206; JP S57120098 A 19820726; NO 813468 L 19820603; US 4446792 A 19840508; US 4547949 A 19851022

DOCDB simple family (application)

**EP 81107112 A 19810910**; AT 81107112 T 19810910; CA 390064 A 19811113; DE 3166984 T 19810910; JP 19188081 A 19811201; NO 813468 A 19811014; US 31970781 A 19811109; US 58275484 A 19840223