

Title (en)

Combined influence magnetic passive-microwave active triggering device for the activation of anti-tank mines and the like.

Title (de)

Triggerschaltung zur Betätigung von Panzerminen durch kombinierte passive magnetische und aktive Mikrowellenwirkung und dergleichen.

Title (fr)

Dispositif déclencheur à influence combinée passive magnétique et active à micro-ondes pour l'activation de mines anti-char et similaires.

Publication

EP 0178268 A1 19860416 (EN)

Application

EP 85830249 A 19851002

Priority

IT 2297584 A 19841003

Abstract (en)

The triggering device is capable of detecting automatically, by a magnetic sensor (5), the approach of a target of particular characteristics and its entering a zone near to the vertical (B) of the mine (M). Such a device comprises a passive magnetic receiving transducer, non-directional in the azimuthal plane, and a microwave transceiving transducer having a reception/transmission lobe conically shaped, with its axis coinciding with the longitudinal axis (B) of the cylindrical body of the mine (M). Whenever the first transducer detects a moving ferromagnetic target within a preset zone, generates an alerting signal for the second transducer which is activated in order to detect the effective presence of a target within the damaging zone of the mine.

IPC 1-7

F42C 13/08; F42C 13/04; F42C 13/00

IPC 8 full level

F42C 13/00 (2006.01); **F42C 13/04** (2006.01); **F42C 13/08** (2006.01)

CPC (source: EP)

F42C 13/00 (2013.01); **F42C 13/04** (2013.01); **F42C 13/08** (2013.01)

Citation (search report)

- [X] FR 2199863 A5 19740412 - FRANCE ETAT [FR]
- [X] DE 2318869 A1 19771027 - PHILIPS PATENTVERWALTUNG
- [A] FR 2342626 A7 19770923 - DIEHL [DE]
- [A] DE 3200918 A1 19830721 - BUNDESREP DEUTSCHLAND [DE]

Cited by

DE3723879A1; JPH0174500U; EP0942257A1; FR2776060A1

Designated contracting state (EPC)

AT BE DE FR GB NL SE

DOCDB simple family (publication)

EP 0178268 A1 19860416; IT 1178555 B 19870909; IT 8422975 A0 19841003; IT 8422975 A1 19860403

DOCDB simple family (application)

EP 85830249 A 19851002; IT 2297584 A 19841003