

Title (en)

AUTOMATIC WEAPONS SYSTEM FOR DEFENDING A ZONE.

Title (de)

AUTOMATISCHES WAFFENSYSTEM FÜR DIE FLÄCHENVERTEIDIGUNG.

Title (fr)

SYSTEME D'ARMES AUTOMATISE POUR LA DEFENSE DE ZONE.

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Application

EP 90907154 A 19900425

Priority

FR 8905455 A 19890425

Abstract (en)

[origin: WO9012997A1] The invention relates to a weapons system consisting of a plurality of mines, for defending a zone. Each mine comprises a launcher in which is arranged a projectile containing a military charge, initializing means, which ensure in particular that the launcher is placed in position, and target-detecting means. In one embodiment, when a target is detected by a mine, a projectile is launched in the direction of the target in such a way that it rotates about its own longitudinal axis and maintains a constant flight attitude along its trajectory. In another embodiment, the mines can communicate with each other in order to launch a simultaneous attack on a plurality of targets situated in the defended zone. The projectile comprises target detecting means which are connected to the projectile and which emit a band of radiant energy that sweeps the ground in successive bands (hyperbolae). When the target is detected, the military charge is ignited. The axis of said charge makes a given angle with the longitudinal axis of the projectile which ensures a maximum indentation on the ground, allowance being made for the desired values of the angle of attack of the target (preferably on the roof).

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