Title (en)

LAND MINE HAVING TIMED IGNITION MEANS

Publication

EP 0022099 B1 19821229 (EN)

Application

EP 80850078 A 19800602

Priority

SE 7905478 A 19790621

Abstract (en)

[origin: EP0022099A1] There is provided a landmine which comprises a casing, an ignition means (25), a de-masking charge (23), a detonator charge (24) and an explosive charge (26). The ignition means (25) comprises an electronic timing unit (28), an electric motor (20) and an operating shaft (30) which can be locked mechanically by two safety means (11, 12) in a first angular safe position and is driven by the motor (20) via a transmission gear and which allows activation of the de-masking charge (23) and the detonator charge (24) in a second angular live position. The speed of the motor (20) exceeds 5000 r.p.m. and is preferably 15000 r.p.m., while the speed at which the operating shaft rotates is of the order of 1/40 r.p.m. When the mine has not exploded within a given time period, the electronic timing unit (28) restarts the motor (20) for rotation of the operating shaft (30) into a third angular re-safe position, which can be identical to its first angular position. During its rotation, the operating shaft (30) can also activate one of the safety means (11, 12) for locking shaft rotation, and means for marking on the mine the condition of the mine, i.e. whether the mine is safe or live, and for marking above the ground the position of the mine in its re-safe state.

IPC 1-7

F42C 15/14; F42C 15/40

IPC 8 full level

F42C 15/40 (2006.01); **F42C 15/44** (2006.01)

CPC (source: EP)

F42C 15/40 (2013.01); **F42C 15/44** (2013.01)

Cited by

DE3206285A1; DE3200029A1; EP0206978A1; DE3424698A1; US4711179A; FR2563001A1; DE3127522A1; DE3127522C2; EP0202717A1; FR2582428A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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