

Title (en)

SELF-DESTRUCTION MECHANISM FOR A FUZE

Title (de)

SELBSTZERLEGUNGSMECHANISMUS FÜR EINEN ZÜNDER

Title (fr)

MÉCANISME D'AUTODESTRUCTION POUR UNE FUSÉE

Publication

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Application

**EP 13814482 A 20131211**

Priority

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Abstract (en)

[origin: WO2014106565A1] The invention relates to a mechanical self-destruction device (10) in ammunition (11). The mechanical self-destruction device comprises a rotational spring (2), a lockable body (3), and a spring (4) that interacts with said body (3). The body (3) is locked by a locking mechanism (7) and a spring-supported mass (6). During the acceleration of the cartridge/ammunition (11), the body (3) is accelerated downward and the spring (2) is stressed. By means of the rotation of the cartridge (11), the locking mechanism (7) is pressed into a spring-supported mass (6) and the body (3) is locked. During the arming sequence of the cartridge (11), a rotor (A) is pivoted from the safe position to the shaft position. If, however, the rotation falls below a specified/certain rotational speed, the locking mechanism (7) is moved back into the original position. Connected therewith is the release of the locking of the locked body (3), which is accelerated upward by the rotational spring (2). By means of the upward motion of the body (3), the body can drive upward the rotor (A) together with a detonator in the case of a nose fuze or a piercing needle in the case of a base fuze and thus set off the detonator/fuze.

IPC 8 full level

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