Title (en)

FUZE SYSTEM FOR HAND GRENADES

Title (de)

ZÜNDERSYSTEM FÜR HANDGRANATEN

Title (fr)

SYSTÈME DE FUSÉE POUR GRENADES À MAIN

Publication

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Application

EP 15808153 A 20151210

Priority

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Abstract (en)

[origin: WO2016091988A1] The invention relates to an igniter system for hand grenades with an igniting element (1), which after initiation triggers a delay and safety device, which with a time delay after the initiation fires a detonator (7), which subsequently ignites an ignition booster (8), wherein the delay and safety device comprises a dual safety device of two independent parts. In order that the igniter system according to the invention for hand grenades comprises a purely pyrotechnical igniter system instead of a pyrotechnical-mechanical system, it is proposed that the delay and safety device consists of two pyrotechnic ignition delays with different delay times, that is to say a safety element (3) and a delay element (4), wherein the delay time of the safety element (3) is shorter than the delay time of the delay element (4) and the safety element (3) comprises a timer which carries out ignition after the burning off of a gas charge (9), the gas of which opens blocking elements (5), and the delay element (4) comprises a firing charge, and the firing charge is only in operative connection with the detonator (7) after the opening of the blocking elements (5).

IPC 8 full level

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CPC (source: EP US)

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