

Title (en)

ELECTRONICALLY AND MECHANICALLY-OPERATED IGNITION DELAY FOR CARTRIDGE-TYPE PYROTECHNIC DECOY FLARE AMMUNITION

Title (de)

ELEKTRONISCH-MECHANISCHE ANZÜNDVERZÖGERUNG FÜR PATRONIERTE PYROTECHNISCHE SCHEINZIELMUNITION

Title (fr)

DISPOSITIF ELECTRONIQUE ET MECANIQUE DE RETARD D'ALLUMAGE POUR MUNITION ECLAIRANTE PYROTECHNIQUE A CARTOUCHE

Publication

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Application

**EP 00904950 A 20000124**

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Abstract (en)

[origin: US6463856B1] The invention relates to an electronically and mechanically-operated ignition delay which is used in cartridge-type pyrotechnic decoy flare ammunition. Said ignition delay comprises a cylindrical sleeve (10), containing an ignition device (1) in the base, a propellant (2) for expelling the inflammable active material (8) and devices (9) for delaying the ignition of the active material. The electric ignition device of the propellant charge is galvanically connected to a capacitor element (3) which is fixed in the propulsion reflector (4). Said capacitor element is galvanically connected to a mechanical switch-on element (7) in the active material, whereby said mechanical switch-on element is, in turn, galvanically connected to an electric ignition unit in the active material. The switch-on process is thus triggered by the relative movement of the active material as it travels along the sleeve axis away from the propulsion reflector.

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CPC (source: EP US)

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