

Title (en)

PYROTECHNIC DELAY DEVICE FOR AN AMMUNITION FUSE, AND MORTAR GRENADE WITH SUCH A DELAY DEVICE

Title (de)

PYROTECHNISCHE VERZÖGERUNGSEINRICHTUNG FÜR EINEN MUNITIONSZÜNDER UND MÖRSEERGRANATE MIT EINER DERARTIGEN VERZÖGERUNGSEINRICHTUNG

Title (fr)

RETARDATEUR PYROTECHNIQUE DESTINÉ À UNE AMORCE DE MUNITION ET OBUS DE MORTIER COMPORTANT UN TEL RETARDATEUR

Publication

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Application

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Abstract (en)

[origin: WO2015024730A1] The invention relates to a pyrotechnic delay device for an ammunition fuse (1) with a pyrotechnic delay element (5) which is ignited when the ammunition is fired and which ignites a main charge (4), an expulsion charge or the like, after a specified delay time. The aim of the invention is to provide a pyrotechnic delay device (3) with an adjustable delay time. According to the invention, this is achieved in that in addition to the pyrotechnic delay element (5) with a strictly defined delay time, a bypass element with a transmission charge (15) is integrated into the delay device (3), said transmission charge having a substantially higher burn rate than the delay element (5). If the delay device (3) sets a delay time which is shorter than the delay time specified by the delay element (5), the bypass element is activated after a specifiable first section of the delay element (5) is burned so that the remaining second section of the delay element (5) is bridged by the bypass element, and the corresponding main charge (4) or the like is ignited immediately after the first section has burned.

IPC 8 full level

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