Title (en)

PERCUSSION FUSE

Title (de)

AUFSCHLAGZÜNDER

Title (fr)

FUSÉE PERCUTANTE

Publication

EP 4264170 A1 20231025 (DE)

Application

EP 21839378 A 20211213

Priority

- DE 102020007798 A 20201219
- EP 2021085394 W 20211213

Abstract (en)

[origin: WO2022128864A1] A percussion fuse (10) for a shell has a fuse body (12), a detonator system with a priming charge (16) in the bottom section (12c) of the fuse body (12), and a firing pin (24) in the head section (12a) of the fuse body (12). The firing pin (24) has a pin rod (26), with a piercing tip (27), and a pin head (25), wherein the firing pin (24) can be moved in the direction of the detonator system (16) in the case of the percussion fuse (20) striking a target, in order that the piercing tip (27) of the firing pin (24) pierces the priming charge in the detonator system (16). In order to improve impact sensing, in particular even in the case of striking a target at a shallow angle, the percussion fuse (10) additionally has a pressure element which is arranged loosely between the head end (12b) of the fuse body (12) and the pin head (25) of the firing pin (24), and is configured and arranged in the head section (12a) of the fuse body (12) in such a way that it can tilt relative to the fuse body (12) and relative to the pin head (25) of the firing pin (24), with the result that, in the case of a deformation of the head section (12a) of the fuse body (12) during striking of a target, it presses in a straight line on the pin head (25) of the firing pin, without tilting the pin head relative to the longitudinal axis (18) of the fuse body (12).

IPC 8 full level

F42C 1/02 (2006.01)

CPC (source: EP KR)

F42C 1/02 (2013.01 - EP KR); **F42C 15/24** (2013.01 - KR)

Citation (search report)

See references of WO 2022128864A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (publication)

WO 2022128864 A1 20220623; CA 3196407 A1 20220623; DE 102020007798 A1 20220623; DE 102020007798 B4 20220714; EP 4264170 A1 20231025; KR 20230074232 A 20230526

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EP 2021085394 W 20211213; CA 3196407 A 20211213; DE 102020007798 A 20201219; EP 21839378 A 20211213; KR 20237013806 A 20211213