Title (en)

BRIDGE-WIRE INITIATOR FOR PROPULSIVE CHARGES

Publication

EP 0010487 B1 19820623 (FR)

Application

EP 79400737 A 19791012

Priority

FR 7829210 A 19781013

Abstract (en)

[origin: US4354432A] The invention relates to a hot-wire ignition initiator for propellant charges for artillery and rockets. This initiator comprises a housing 1 provided with an open cavity 2 within which there is arranged a filament 3 and a pyrotechnic cell composed: (a) of an initiator pyrotechnic composition 5 formed of an oxidant and a reducer, which composition is arranged in intimate contact with the filament, the coefficient of sensitivity to impact of which is at least equal to 100 joules, the coefficient of sensitivity to friction of which is at least 100 N, the coefficient of sensitivity to static electricity of which is about 16 millijoules and the ignition temperature of which is between 250 DEG and 350 DEG C.; (b) of an ignition pyrotechnic composition 6 formed of at least one oxidant and one reducer, which composition is arranged in the vicinity of or in contact with the initiator composition, this ignition composition having a coefficient of sensitivity to impact of at least 100 joules, a coefficient of sensitivity to friction of at least 300 N, a coefficient of sensitivity to static electricity of about 500 millijoules, and an ignition temperature of between 400 DEG and 750 DEG C.

IPC 1-7

F42B 3/12; F42C 19/12; C06C 5/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

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EP 0010487 A1 19800430; **EP 0010487 B1 19820623**; BE 879385 A 19800201; CH 634143 A5 19830114; DE 2963180 D1 19820812; FR 2438821 A1 19800509; FR 2438821 B1 19810327; IT 1123852 B 19860430; IT 7926509 A0 19791015; US 4354432 A 19821019

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