

Title (en)
Igniter for propulsive charges

Title (de)
Anzündsystem für Treibladungen

Title (fr)
Allumeur pour charges propulsives

Publication
EP 0580017 B1 19960117 (DE)

Application
EP 93110819 A 19930707

Priority
DE 4223735 A 19920718

Abstract (en)
[origin: EP0580017A1] A detonating system for large-calibre propulsion charges, for example artillery ammunition, is intended to be completely combustible, to be precise both in the case of a single-element munition (35) and in the case of a multi-element munition (2) which is split into modules (1, 30). A further requirement for the detonating system is a short detonation delay time in the order of magnitude of 5 to 10 ms. As a rule, when low-pressure detonating systems are used, considerably longer delay times occur, up to several hundred ms. A major cause of this is the low burning rate of the untamped detonating charge. In order to improve this behaviour, a low-pressure detonating system is proposed, in the case of which the detonating charge is designed as a combination of pellets (10.1) with a thin coating in the form of a detonating mixture (12) having a suitably short conversion time, and these pellets (10.1) surround an empty supporting tube (20) within a low-pressure tube (15). <IMAGE>

IPC 1-7
F42C 19/08

IPC 8 full level
F42C 19/08 (2006.01)

CPC (source: EP)
F42B 5/181 (2013.01); **F42C 19/0826** (2013.01)

Cited by
US10126104B2; WO2017033072A1; WO2024114986A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0580017 A1 19940126; EP 0580017 B1 19960117; DE 4223735 A1 19940120; DE 59301445 D1 19960229; IL 106365 A 19981206

DOCDB simple family (application)
EP 93110819 A 19930707; DE 4223735 A 19920718; DE 59301445 T 19930707; IL 10636593 A 19930715