

Title (en)
PARTIALLY COMBUSTIBLE IGNITER FOR A PROPELLANT CHARGE

Publication
EP 0100840 B1 19900418 (DE)

Application
EP 83105851 A 19830615

Priority
DE 3226269 A 19820714

Abstract (en)
[origin: US4492167A] A partially combustible propellant charge igniter in which combustible ignition-conducting tubes can be more advantageously separated. The igniter includes a metallic bottom piece accommodating an igniter charge therein, a centrally arranged ignition gas guide chamber in communication with the igniter charge for guiding ignition gas therefrom and a combustible ignition-conducting tube accommodating a propagation charge. The ignition-conducting tube is inserted into the bottom piece and extends outwardly therefrom with the propagation charge being arranged in the region of the ignition-conducting tube which extends outwardly from the bottom piece. The igniter includes at least one cavity accommodating a separating charge and being at least partially delimited by a wall of the ignition gas guide chamber and the ignition-conducting tube inserted in the bottom piece, and a nozzle for establishing a communicating connection of the cavity to the portion of the ignition-conducting tube accommodating the propagation charge. The nozzle enables the escape of gases produced by the separating charge after ignition of the separating charge.

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IPC 8 full level
F42C 19/08 (2006.01)

CPC (source: EP US)
F42C 19/0826 (2013.01 - EP US); **F42C 19/083** (2013.01 - EP US)

Cited by
FR2806789A1; WO0171274A1; EP0600385A1; US6543363B2

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