

Title (en)
Modular propellant charge

Title (de)
Treibladungsmodul

Title (fr)
Charge propulsive modulaire

Publication
EP 0499244 B1 19970416 (DE)

Application
EP 92102401 A 19920213

Priority
DE 4104646 A 19910215

Abstract (en)
[origin: EP0499244A2] The propellant charge of the propellant-charge module consists of at least two concentric rings (11, 12, 13), of which the outer ring (13) contains propellant-charge grains (21) which supply the maximum quantity of gas per unit time. The burn-up of the propellant charge is initiated by a central ignition (15), so that the rings burn up from the inside outwards. The outer ring (13) burning up last brings about an increased pressure build-up, so that the pressure reduction occurring as a result of the increase in volume of the combustion space is partially compensated. The pressure prevailing in the combustion space is thereby extended in time and the projectile is driven with improved efficiency. <IMAGE>

IPC 1-7
F42B 5/16

IPC 8 full level
F42B 5/16 (2006.01)

CPC (source: EP)
F42B 5/16 (2013.01)

Cited by
EP0754927A1; FR2737002A1; US5712444A; EP2045568A1; EP0706025A1; FR2725510A1; US5672842A; CN103267453A; US7908971B2; JP2012021685A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0499244 A2 19920819; EP 0499244 A3 19930324; EP 0499244 B1 19970416; DE 4204318 A1 19920820; DE 59208344 D1 19970522

DOCDB simple family (application)
EP 92102401 A 19920213; DE 4204318 A 19920213; DE 59208344 T 19920213