

Title (en)

Self-supporting propellant body and compact charge produced therefrom.

Title (de)

Selbsttragender Treibladungskörper und daraus hergestellte Kompaktladung.

Title (fr)

Corps de charge propulsive autoportant et charge compacte fabriquée à partir de ce corps.

Publication

EP 0238959 B1 19931110 (DE)

Application

EP 87103739 A 19870314

Priority

DE 3610424 A 19860327

Abstract (en)

[origin: US4724017A] Unsupported, compressed propellant charge elements of nitrocellulose grains, as well as propellant charges produced from these propellant charge elements are produced by coating the grains with an acrylate resin and shaping the grains into cylindrical elements. The novel propellant charge elements are manufactured practically without concomitant use of binders or adhesives; they have a cylindrical configuration and contain a coaxial, continuous bore. These elements are suitable as building blocks for propellant charges in ammunition, e.g., for machinegun-type cannons. These building blocks can be used in a very simple form economically directly for the manufacturing of such ammunition. These novel charges contain at least three of the novel propellant charge elements; in this connection, the combustion of these charges can be adjusted at will by varying the propellant charge elements in order to obtain optimum combustion properties.

IPC 1-7

C06B 45/22; **F42B 5/18**

IPC 8 full level

C06B 45/22 (2006.01); **F42B 5/18** (2006.01)

CPC (source: EP US)

C06B 45/22 (2013.01 - EP US); **F42B 5/18** (2013.01 - EP US)

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