

Title (en)

Ignition system for propellant charge especially for field artillery and its manufacturing method

Title (de)

System zum Zünden einer Treibladung insbesondere für Feldgeschütze und sein Herstellungsverfahren

Title (fr)

Système d'allumage d'une charge propulsive notamment pour munition d'artillerie de campagne et son procédé de fabrication

Publication

**EP 0754927 B1 19991201 (FR)**

Application

**EP 96401512 A 19960709**

Priority

FR 9508812 A 19950720

Abstract (en)

[origin: EP0754927A1] The ignition system consists of a tube (2) of a combustible material with its inner wall covered by an explosive charge which has a central channel inside it. The charge is made from a number of layers of gunpowder grains measuring between 1 and 2.8 mm. in size, held together by a binding agent such as collodion. The tube (2) is made from cardboard impregnated with nitrocellulose, and the layers of the binding agent are located between two layers of powder grains. The charge is formed by rotating the tube at low speed, ca. 100 rpm, coating its inner surface with a layer of the binding agent by means of an applicator gun, applying a layer of the grains to the binding agent, and repeating these stages until a coating of the required thickness has been built up.

IPC 1-7

**F42B 5/38**; **F42C 19/08**

IPC 8 full level

**C06C 9/00** (2006.01); **F42B 5/38** (2006.01); **F42C 19/08** (2006.01)

CPC (source: EP US)

**C06C 9/00** (2013.01 - EP US); **F42B 5/38** (2013.01 - EP US); **F42C 19/0803** (2013.01 - EP US); **F42C 19/0826** (2013.01 - EP US)

Cited by

FR3106401A1; FR3106400A1; WO2021144538A1; WO2021144539A1

Designated contracting state (EPC)

BE DE GB SE

DOCDB simple family (publication)

**EP 0754927 A1 19970122**; **EP 0754927 B1 19991201**; DE 69605366 D1 20000105; DE 69605366 T2 20000323; FR 2737002 A1 19970124; FR 2737002 B1 19970829; IL 118844 A0 19961031; IL 118844 A 19991222; US 5712444 A 19980127; ZA 966061 B 19970204

DOCDB simple family (application)

**EP 96401512 A 19960709**; DE 69605366 T 19960709; FR 9508812 A 19950720; IL 11884496 A 19960712; US 67867996 A 19960711; ZA 966061 A 19960717