

Title (en)
Riot grenade having a light ignition charge.

Title (de)
Granate für den zivilen Einsatz mit schwacher Zündladung.

Title (fr)
Grenade d'intervention comportant une faible charge d'allumage.

Publication
EP 0065435 A1 19821124 (FR)

Application
EP 82400719 A 19820422

Priority
FR 8109301 A 19810511

Abstract (en)
1. Strike grenade of a cylindrical type, particularly a tear gas grenade, which comprises at least two blocks (15, 16), with a central channel, of an active pyrotechnic composition, capable of being ignited by means of at least one igniting composition (17) arranged on at least one of the ends of these blocks, and the blocks being housed in an outer casing (1) which can be opened by the pressure of the combustion gases, and grenade which can be equipped with an axial igniter stopper fixed onto the rear end (4) of this grenade, characterized in that, on the one hand, the central channel of the blocks (16) is equipped with an inner tube (13, 14) which can be destroyed in the thermodynamic conditions of the combustion of the blocks, the igniting composition consisting of two coatings (17) which adhere to the inner tubes (13, 14) and which are situated opposite each other and enclose between them an empty space in the middle of the grenade and in that, on the other hand, the outer casing (1) has an opening strength which is greater than 2 bars.

Abstract (fr)
Grenade d'intervention de type cylindrique, utilisable notamment soit comme grenade lacrymogène, soit comme grenade fumigène, selon la composition pyrotechnique active mise en place. La grenade comprend au moins un bloc (15, 16) à canal central de composition active, qui peut être mis à feu au moyen d'une composition d'allumage, et qui est logé dans un boîtier extérieur (1) ouvrable sous la poussée des gaz de combustion. Afin de réduire le plus possible la masse de la composition d'allumage qui est sensible et qui impose des conditions particulières de stockage et de transport, d'une part le canal central du bloc (15, 16) est munie d'un tube intérieur (13, 14) destructible, l'enduction d'allumage (17) étant limitée à la section libre du bloc, et adhérent au bloc (16), au tube intérieur (13, 14), et à la surface latérale interne du conteneur (6, 7) dans lequel est placé ce bloc, et d'autre part le boîtier extérieur (1) présente une résistance à l'ouverture qui est supérieure à 2 bars.

IPC 1-7
F42B 27/06; **F42B 13/46**

IPC 8 full level
F42B 12/48 (2006.01); **F42B 12/50** (2006.01)

CPC (source: EP)
F42B 12/48 (2013.01); **F42B 12/50** (2013.01)

Citation (search report)
• [A] US 3795197 A 19740305 - LEVENSON M
• [A] DE 2416118 A1 19741024 - WALDE
• [A] GB 1383963 A 19740212 - PAIN WESSEX LTD
• [A] FR 1256056 A 19610317 - ARTIFICES TITAN SOC D
• [A] FR 2430591 A1 19800201 - NICO PYROTECHNIK [DE]
• [A] FR 1292149 A 19620427 - SCHERMULY PISTOL ROCKET APP
• [AD] FR 2456934 A1 19801212 - POUDRES & EXPLOSIFS STE NALE
• [A] US 2096698 A 19371019 - ALEXANDER LOWY, et al

Cited by
EP0499033A1; FR3020059A1; DE102020004562B4; WO9101479A3

Designated contracting state (EPC)
BE CH DE GB IT

DOCDB simple family (publication)
EP 0065435 A1 19821124; **EP 0065435 B1 19850717**; DE 3264753 D1 19850822; ES 512032 A0 19830216; ES 8303681 A1 19830216; FR 2505480 A1 19821112; FR 2505480 B1 19851227; PT 74866 A 19820601; PT 74866 B 19850125

DOCDB simple family (application)
EP 82400719 A 19820422; DE 3264753 T 19820422; ES 512032 A 19820508; FR 8109301 A 19810511; PT 7486682 A 19820510