

Title (en)
Hand grenade for generating smoke quickly

Title (de)
Schnellnebelhandgranate

Title (fr)
Grenade à main fumigène rapide

Publication
EP 0780658 A3 19980916 (DE)

Application
EP 96120665 A 19961220

Priority
DE 19548436 A 19951222

Abstract (en)
[origin: EP0780658A2] Hand grenade comprises: (i) a manually movable igniter head (A) consisting of a piece (1) having a central hole (3) with an impact piece (5) hinged on one side of the piece via a spring (7) and an impact bolt (9) and with a securing handle (11) secured via a securing element (13) and hinged on the opposite side of the piece (1), the handle holding the piece (5) secure via spring (7); (ii) an active composition body (B) made of an aluminium can (15) having a reinforced base (17) connected to the piece (1) of the igniter head (A), a smoke agent (19) arranged in the can (15) with the formation of a channel (21) through the middle of the can in the form of a small composition with smoke active ingredient based on thin leaves (flares) coated with red phosphorus, and a closable lid (23) securing the can (15) to its top part; and (iii) ignition scanning unit (C) comprising a piece (25) connecting the head piece (1) of the igniter head (A) to the base (17) of the can (15) via screws (27,29), and a thin aluminium sleeve (31) fixed in a central hole (33) of the piece (25) and penetrates the channel (21) releasing the agent (19) practically to the bottom of the can (15) and in which is arranged a charge (35) to ignite the agent (19) and to decompose the can (15) by means of a central ignition helix (51). The pyrotechnic active chain of the contact piece (5) to the charge (35) is formed of an ignition cap (37) in the central holes (3,33) of the head piece (1) and the piece (25) to the ignition delay element (39). The handle (11) is connected via a 1st connecting element (41) to the head piece (1) of the igniter head (A). The lid (23) closing the can (15) is connected to the reinforced base (17) of the aluminium can (15).

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CPC (source: EP US)
F42B 12/48 (2013.01 - EP US); **F42B 27/00** (2013.01 - EP US)

Citation (search report)

- [AD] DE 2811016 C1 19860717 - BUCK CHEM TECH WERKE
- [A] DE 2908216 A1 19790920 - RAUFOSS AMMUNISJONSFABRIKKER
- [A] US 5085147 A 19920204 - GOLD ROBERT J [US], et al
- [A] US 5018449 A 19910528 - EIDSON II EDWARD W [US]
- [A] DE 2819863 A1 19860724 - BUCK CHEM TECH WERKE [DE]

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