

Title (en)
EXPLOSIVE SMOKE GRENADE

Title (de)
NEBELSPRENGGRANATE

Title (fr)
GRENADE EXPLOSIVE FUMIGÈNE

Publication
EP 3314201 B1 20200603 (DE)

Application
EP 16729215 A 20160531

Priority
• DE 102015110061 A 20150623
• EP 2016062293 W 20160531

Abstract (en)
[origin: CA2984212A1] In order to obtain an explosive smoke grenade (1), which can be fired from a portable anti-tank weapon, in particular a recoilless infantry weapon, and which permits an enemy position or a vehicle to be fogged as quickly as possible, so that the enemy has only a very limited radius of action, the invention proposes providing the explosive smoke grenade (1) with a time fuse (6) which can be programmed such that the burst charge (5) detonates in the direct vicinity of the enemy position but before the grenade has reached the ground, and there releases the smoke-generating active material (7). In addition, the pyrotechnic active substance (7) arranged between the burst charge (5) and the grenade casing (2) consists of a plurality of film strips, which are coated with a red-phosphorus-containing incendiary composition (flares). For this purpose, the dimensions of the flares are selected such that they generate a visibility barrier in both the visible and the infrared wavelength regions.

IPC 8 full level
F42B 12/48 (2006.01); **F41G 1/473** (2006.01); **F42B 12/70** (2006.01); **F42C 11/06** (2006.01); **F42C 17/04** (2006.01)

CPC (source: EP US)
F41G 1/473 (2013.01 - EP US); **F42B 12/48** (2013.01 - EP US); **F42B 12/70** (2013.01 - EP US); **F42C 11/06** (2013.01 - EP US); **F42C 11/065** (2013.01 - EP US); **F42C 17/04** (2013.01 - EP US); **F41C 27/06** (2013.01 - US); **F42B 12/20** (2013.01 - US); **F42B 30/04** (2013.01 - US); **F42C 9/02** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102015110061 A1 20161229; AU 2016282546 A1 20171207; AU 2016282546 B2 20210318; CA 2984212 A1 20161229; CA 2984212 C 20230314; EP 3314201 A1 20180502; EP 3314201 B1 20200603; US 10670380 B2 20200602; US 2018209771 A1 20180726; WO 2016206927 A1 20161229

DOCDB simple family (application)
DE 102015110061 A 20150623; AU 2016282546 A 20160531; CA 2984212 A 20160531; EP 16729215 A 20160531; EP 2016062293 W 20160531; US 201715854373 A 20171226