

Title (en)

PYROPHORIC PELLETS THAT EMIT INFRARED RADIATION

Title (de)

PYROPHORE PELLETS, DIE INFRAROTSTRAHLUNG EMITTIEREN

Title (fr)

GRANULÉS PYROPHORIQUES ÉMETTANT UN RAYONNEMENT INFRAROUGE

Publication

EP 3816143 B1 20230726 (EN)

Application

EP 19206141 A 20191030

Priority

EP 19206141 A 20191030

Abstract (en)

[origin: EP3816143A1] The present disclosure relates to pyrophoric pellets that break apart into individual particulates or agglomerates when exposed to air and emit infrared radiation. The pyrophoric pellets include: (a) about 35 to about 95 wt.% of pyrophoric particles; (b) about 0.05 to about 30 wt.% of one or more thermally expandable particles; (c) optionally about 1 to about 40 wt.% of one or more additives that modify IR signature; and (d) optionally, one or more additives that produce smoke at a temperature of 150°C or greater. The pyrophoric pellets are particularly useful as countermeasures to protect against incoming missiles.

IPC 8 full level

C06C 15/00 (2006.01); **F41J 2/02** (2006.01); **F42B 12/70** (2006.01)

CPC (source: EP)

C06C 15/00 (2013.01); **F41J 2/02** (2013.01); **F42B 12/70** (2013.01)

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)

EP 3816143 A1 20210505; EP 3816143 B1 20230726

DOCDB simple family (application)

EP 19206141 A 20191030