

Title (en)
SYSTEM, ESPECIALLY A HAND GRENADE

Title (de)
SYSTEM, INSBESONDERE HANDGRANATE

Title (fr)
SYSTÈME, EN PARTICULIER GRENADE À MAIN

Publication
EP 3767223 B1 20240403 (DE)

Application
EP 19186279 A 20190715

Priority
EP 19186279 A 20190715

Abstract (en)
[origin: CA3086682A1] In order to improve safety, particularly during transportation and/or storage, a system (10) is proposed which at least comprises a housing (13) an explosive (3) held therein which is initiated by a blasting cap (1), wherein a sleeve insert (2, 2') in the housing (13) makes it possible for the blasting cap (1) to be removed from the explosive (3), in that the blasting cap (1) in the sleeve insert (2, 2') is height-adjustable, so that the position of the blasting cap (1) relative to the explosive (3) can be changed. The system (10) may include a fuse head (11) which at least comprises a primer cap and possibly a delay line (14). The blasting cap (1) may be an integral part of the fuse head (11) and insulated therewith on the base. The sleeve insert (2, 2') has a hollow or empty space (5) in which a separating medium or separating means (4), e.g. air, is introduced. A pressure element (15) is attached between the fuse head (11) and the housing (13) which is responsible for ensuring the separation of the blasting cap (1) and possibly the delay element (14) from the explosive (3) when under the influence of heat caused by fire, for example.

IPC 8 full level
F42B 27/00 (2006.01); **F42B 39/14** (2006.01); **F42C 15/184** (2006.01)

CPC (source: EP US)
F42B 27/00 (2013.01 - EP US); **F42B 39/14** (2013.01 - EP US); **F42C 14/02** (2013.01 - US); **F42C 15/184** (2013.01 - EP US); **F42C 15/192** (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)
EP 3767223 A1 20210120; **EP 3767223 B1 20240403**; AU 2020204423 A1 20210204; CA 3086682 A1 20210115; US 11629945 B2 20230418; US 2021018306 A1 20210121

DOCDB simple family (application)
EP 19186279 A 20190715; AU 2020204423 A 20200702; CA 3086682 A 20200713; US 202016924383 A 20200709