

Title (en)

MULTISTAGE PYROTECHNIC DEVICE WITH A CARDBOARD STAGE SEPARATOR

Title (de)

MEHRSTUFIGE PYROTECHNISCHE VORRICHTUNG MIT EINEM STUFENTRENNER AUS PAPPE

Title (fr)

DISPOSITIF PYROTECHNIQUE À PLUSIEURS ÉTAGES DOTÉ D'UN SÉPARATEUR D'ÉTAGE EN CARTON

Publication

**EP 3828491 B1 20220202 (EN)**

Application

**EP 20206850 A 20201111**

Priority

IT 201900022569 A 20191129

Abstract (en)

[origin: EP3828491A1] A multistage pyrotechnic device (100) comprising a launching tube (DD) and at least two pyrotechnic stages (ST) disposed inside the launching tube (DD); each pyrotechnic stage (ST) comprises a launching charge (C) and effect means (M); the pyrotechnic device (100) comprises a separator (1) disposed between the two pyrotechnic stages (ST) and provided with an axial conduit (10) suitable for housing a fuse (U); the peculiarity of the pyrotechnic device (100) consists in the fact that the separator (1) comprises a first thin end disk (11) made of cardboard, a second thin end disk (12) made of cardboard with a diameter (d1), and at least one spacing ring (2) made of cardboard with a diameter (d2) and disposed between the two thin end disks (11, 12); the internal diameter (d3) of the launching tube (DD) is higher than the diameter (d2) of the spacing ring (2) and is lower than the diameter (d1) of the thin end disks (11, 12).

IPC 8 full level

**F42B 4/02** (2006.01); **F42B 4/24** (2006.01)

CPC (source: EP)

**F42B 4/02** (2013.01); **F42B 4/24** (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 3828491 A1 20210602; EP 3828491 B1 20220202**; ES 2912590 T3 20220526; IT 201900022569 A1 20210529

DOCDB simple family (application)

**EP 20206850 A 20201111**; ES 20206850 T 20201111; IT 201900022569 A 20191129