Title (en)
PYRO-CUBE FIREWORKS

Title (de)
PYRO-CUBE-FEUERWERK

Title (fr)
FEU D'ARTIFICE PYRO-CUBE

Publication
EP 3217142 A1 20170913 (EN)

Application
EP 16174669 A 20160615

Priority
CN 201620183085 U 20160310

Abstract (en)
A Pyro-Cube fireworks includes a plurality of fireworks units (10). Each of the fireworks units (10) includes a fuse (11), a plurality of fireworks launching tubes (12), at least one male tube (13), and at least one female tube (14). The fuse (11) connects with the female tube (14). The male tube (13) and the female tube (14) are configured in a rim of the fireworks units (10). The fuse (11) connects all fireworks launching tubes (12) with the male tube (13) from the female tube (14). The female tube (14) of one fireworks unit engages with the male tube (13) of another fireworks unit to connect the fuse (11) of the female tube (14) with the fuse (11) of the male tube (13) of adjacent fireworks unit. Only the fuse (11) on the female tube (14) of the first fireworks unit has to be ignited, and all fireworks units (10) are ignited in a sequence corresponding to the connecting sequence of the fuses (11). The igniting operation of the fireworks is simple and safe.

IPC 8 full level
F42B 4/20 (2006.01); **F42B 4/22** (2006.01); **F42B 4/24** (2006.01)

CPC (source: EP RU US)
F42B 4/04 (2013.01 - RU); **F42B 4/20** (2013.01 - EP US); **F42B 4/22** (2013.01 - EP US); **F42B 4/24** (2013.01 - EP US)

Citation (search report)
- [X] ES 2180379 A1 20030201 - GARCIA GAMON FERNANDO [ES], et al
- [X] ES 2527512 A1 20150126 - FAUBEL BARRACHINA JOSE MIGUEL [ES]
- [X] ES 292675 U 19860616
- [A] CN 204177291 U 20150225 - LIU HAIYAN

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US2019204049A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3217142 A1 20170913; **EP 3217142 B1 20180926**; CN 205403614 U 20160727; RU 2665736 C1 20180904; US 2018106580 A1 20180419; WO 2017152507 A1 20170914

DOCDB simple family (application)
EP 16174669 A 20160615; CN 2016083576 W 20160527; CN 201620183085 U 20160310; RU 2017117937 A 20160527; US 201615519156 A 20160527