

Title (en)
PYROTECHNICAL SYSTEM, PYROTECHNICAL OBJECT AND FIRING METHOD

Title (de)
PYROTECHNISCHES SYSTEM, PYROTECHNISCHER GEGENSTAND UND ABBRENNVERFAHREN

Title (fr)
SYSTEME PYROTECHNIQUE, OBJET PYROTECHNIQUE ET PROCEDE DE TIR

Publication
EP 1676091 B1 20131225 (DE)

Application
EP 04762324 A 20040609

Priority
• DE 2004001174 W 20040609
• DE 20310900 U 20030715

Abstract (en)
[origin: WO2005008168A2] The invention relates to a pyrotechnical system, pyrotechnical objects compatible therewith and an igniting and burning off method matched to said system. The inventive system comprises a starting device consisting of a plurality of compartments which are provided with connection channels therebetween and contain pyrotechnical objects, the first compartment being provided with additional ignition means and the pyrotechnical object thereof being ignited in the first place. Said ignition means which is arranged externally on the pyrotechnical object leads an ignition energy thereto and simultaneously to an adjacent compartment by means of the connection channel, thereby igniting the pyrotechnical object in said compartment. Said ignition means externally arranged on the pyrotechnical object partially provokes a delayed ignition. A delay time is controlled by the rotation of the pyrotechnical objects with respect to the connection channel. Said combination of the starting device and the pyrotechnical objects which are selected according to the time-delay control makes it possible to produce a firework choreography.

IPC 8 full level
F42B 4/14 (2006.01); **F42B 4/24** (2006.01)

CPC (source: EP US)
F42B 4/24 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 20310900 U1 20031002; AU 2004257328 A1 20050127; AU 2004257328 B2 20100513; CN 1823255 A 20060823; CN 1823255 B 20120711; DE 112004001284 B4 20130307; DE 112004001284 D2 20060413; DK 1676091 T3 20140317; EP 1676091 A2 20060705; EP 1676091 B1 20131225; ES 2454195 T3 20140409; PL 1676091 T3 20140331; PT 1676091 E 20140221; US 2006207462 A1 20060921; US 7562627 B2 20090721; WO 2005008168 A2 20050127; WO 2005008168 A3 20050331

DOCDB simple family (application)
DE 20310900 U 20030715; AU 2004257328 A 20040609; CN 200480020482 A 20040609; DE 112004001284 T 20040609; DE 2004001174 W 20040609; DK 04762324 T 20040609; EP 04762324 A 20040609; ES 04762324 T 20040609; PL 04762324 T 20040609; PT 04762324 T 20040609; US 56485906 A 20060112