

Title (en)
Safety and arming device

Title (de)
Sicherung- und Armierungsvorrichtung und deren Verwendung

Title (fr)
Dispositif de sécurité et d'armement

Publication
EP 1278039 A3 20040324 (DE)

Application
EP 02007683 A 20020405

Priority
CH 13142001 A 20010716

Abstract (en)
[origin: EP1278039A2] The securing and arming device has an operating body and a delay element one inside the other, so that they constitute outer and inner wheels without a wheel shaft. The wheels have parallel geometric wheel axes and define a ring-like gap between them. At least one of the wheels is embodied to be wavy on its surface facing the other wheel, with wave crest and troughs over its circumference. <??>The securing and arming device comprises an operating body (20) which, prior to an arming time, is secured in its position of rest on a support device (12) by a securing element (30) which is in a securing position; can, for the purpose of arming, be released by the securing element which is moved into its release position in relation to the support device; and can, after the arming time, be brought into an operating position by a rotary movement around a trigger axis. The device has a delay element (22) which can be driven in the course of the rotational movement of the operating body and to delay the rotational movement of the operating body. The operating body and the delay element are arranged one inside the other, so that they constitute outer and inner wheels without a wheel shaft. The wheels have parallel geometric wheel axes and define a ring-like gap between them. At least one of the wheels has a wavy surface facing the other wheel, with wave crest and troughs over its circumference. With areas of the wheel surfaces facing each other, the wheels rest against motion transfer bodies (24) in the ring-like gap and which are seated radially displaceable in the solid gap. <??>An Independent claim is also included for a spin-stabilized projectile comprising a casing defining a rotating part of the projectile and the longitudinal axis of the projectile about which the projectile is spin-stabilized; and a securing and arming device.

IPC 1-7
F42C 15/188; **F42C 15/26**

IPC 8 full level
F41A 19/06 (2006.01); **F41A 17/00** (2006.01); **F42C 9/04** (2006.01); **F42C 15/188** (2006.01)

CPC (source: EP US)
F42C 9/041 (2013.01 - EP US); **F42C 15/188** (2013.01 - EP US)

Citation (search report)
• [XAY] FR 1528313 A 19680607 - FORSVARETS FABRIKSVERK
• [YA] FR 2110043 A6 19720526 - FAB NALE ARMES GUERRE
• [A] US 2397066 A 19460319 - WHITNEY MAURICE P
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• [A] FR 1537060 A 19680823 - TAMERLAN ETS

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1278039 A2 20030122; **EP 1278039 A3 20040324**; **EP 1278039 B1 20051221**; **EP 1278039 B8 20060315**; AT E313778 T1 20060115; CA 2381877 A1 20030116; CA 2381877 C 20071023; CZ 20021716 A3 20030312; CZ 305726 B6 20160224; DE 50205326 D1 20060126; JP 2003042693 A 20030213; NO 20021847 D0 20020419; NO 20021847 L 20030117; NO 324108 B1 20070820; PL 202001 B1 20090529; PL 354912 A1 20030127; SG 104310 A1 20040621; US 2003010244 A1 20030116; US 6672216 B2 20040106

DOCDB simple family (application)
EP 02007683 A 20020405; AT 02007683 T 20020405; CA 2381877 A 20020417; CZ 20021716 A 20020517; DE 50205326 T 20020405; JP 2002181439 A 20020621; NO 20021847 A 20020419; PL 35491202 A 20020705; SG 200202082 A 20020409; US 17778702 A 20020620