

Title (en)
WEAPON DRIVE AND WEAPON DRIVE WITH AN EMERGENCY WEAPON STOP

Title (de)
WAFFENANTRIEB SOWIE WAFFENANTRIEB MIT EINEM WAFFENNOTSTOPP

Title (fr)
MÉCANISME D'ENTRAÎNEMENT D'UNE ARME, AINSI QUE MÉCANISME D'ENTRAÎNEMENT D'UNE ARME MUNI D'UN ARRÊT D'URGENCE DE L'ARME

Publication
EP 3320292 B1 20190612 (DE)

Application
EP 16734683 A 20160705

Priority

- DE 102015008798 A 20150710
- DE 102015012981 A 20150710
- EP 2016065858 W 20160705

Abstract (en)
[origin: WO2017009114A1] A drive (10) for a weapon (100) is proposed, comprising a drive cam (1) and a connecting rod unit (2) guided in the drive cam (1), wherein the drive cam (1) comprises the firing cycle of the weapon (10). Apart from a connecting rod (2.1), the connecting rod unit (2) comprises a front pin (2.2) and a rear pin (2.3), a strut pin (2.3). With its front pin (2.2), the connecting rod unit (2) engages in the drive cam (1). The front pin (2.2) is also connected to a crank (3), which is driven by an external drive (4). The strut pin (2.3) is connected to an overall control slider (12) of a breech block (11) of the weapon (10). A connecting rod slider (2.6) of the connecting rod unit (2) has a groove (2.5), in which the strut pin (2.3) is guided, wherein the connecting rod (2.1) is articulated at a pivot point (2.4), which lies behind the strut pin (2.3), and so, when the breech block (11) is at a standstill, the strut pin (2.3) is pivoted in the groove (2.5) in the connecting rod unit (2) and in the overall control slider (12). An emergency stop device (20) is formed by a kinematic mechanism (23), which when a shot is fired makes a pin (21) extend and ensures that the overall control slider (12) is taken along. If, on the other hand, no shot is fired, the pin (21) is not made to extend and the overall control slider (12) is not moved. Parts of the drive (100) may in this case continue to run.

IPC 8 full level
F41A 7/08 (2006.01); **F41A 17/18** (2006.01)

CPC (source: EP KR US)
F41A 7/08 (2013.01 - EP KR US); **F41A 17/18** (2013.01 - EP KR 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)
WO 2017009114 A1 20170119; CA 2991453 A1 20170119; CA 2991453 C 20230404; CN 107850409 A 20180327; CN 107850409 B 20200421; CN 107850410 A 20180327; CN 107850410 B 20200424; EP 3320292 A1 20180516; EP 3320292 B1 20190612; EP 3320293 A1 20180516; EP 3320293 B1 20240110; ES 2740199 T3 20200205; ES 2972574 T3 20240613; HR P20191605 T1 20191213; KR 102418156 B1 20220708; KR 102418158 B1 20220708; KR 20180036978 A 20180410; KR 20180036979 A 20180410; LT 3320292 T 20190725; PL 3320292 T3 20191129; PT 3320292 T 20190905; PT 3320293 T 20240304; RS 59153 B1 20191031; SI 3320292 T1 20191030; TR 201909932 T4 20190722; US 10365054 B2 20190730; US 10641564 B2 20200505; US 2018128564 A1 20180510; US 2018231338 A1 20180816; WO 2017009115 A1 20170119

DOCDB simple family (application)
EP 2016065858 W 20160705; CA 2991453 A 20160705; CN 201680040677 A 20160705; CN 201680040815 A 20160705; EP 16734683 A 20160705; EP 16734684 A 20160705; EP 2016065861 W 20160705; ES 16734683 T 20160705; ES 16734684 T 20160705; HR P20191605 T 20190905; KR 20187003811 A 20160705; KR 20187003814 A 20160705; LT 16734683 T 20160705; PL 16734683 T 20160705; PT 16734683 T 20160705; PT 16734684 T 20160705; RS P20191103 A 20160705; SI 201630360 T 20160705; TR 201909932 T 20160705; US 201815867354 A 20180110; US 201815867475 A 20180110