

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

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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.

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