

Title (en)  
BREECH DRIVE FOR A WEAPON

Title (de)  
VERSCHLUSSANTRIEB FÜR EINE WAFFE

Title (fr)  
ENTRAÎNEMENT DE CULASSE POUR ARME

Publication  
**EP 2359085 A1 20110824 (DE)**

Application  
**EP 09752743 A 20091107**

Priority  
• EP 2009007974 W 20091107  
• DE 102008060217 A 20081204

Abstract (en)  
[origin: US2012132062A1] A drive for a weapon is provided, wherein rotational motion of a motor is converted to a forward or reverse motion of the breech in a simple manner using the Scotch yoke principle. In order to allow rest periods of the breech in the end positions, the crank radius is defined by a control cam, which changes when the crank is rotated. The hinge pin of the crank may be externally driven via a pinion shaft. A yoke pin is arranged in a groove of the crank so as to be radially displaceable and carries the breech carrier or the breech in a groove extending transversely to the direction of fire via a sliding block. Two rollers are arranged on the crank pin and run in control cams in the weapon or crank housing. The control cam is subdivided into different sectors/sections, thereby achieving the desired motion of the breech.

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

CPC (source: EP KR US)  
**F41A 7/08** (2013.01 - EP KR US); **F41A 9/38** (2013.01 - KR); **F41A 9/50** (2013.01 - EP KR US); **F41A 9/51** (2013.01 - EP KR US);  
**F41A 17/18** (2013.01 - EP KR US)

Cited by  
WO2021099132A1; US11815325B2

Designated contracting state (EPC)  
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ES 2551554 T3 20151119; IL 213224 A0 20110731; IL 213224 A 20141130; JP 2012511132 A 20120517; JP 5607643 B2 20141015;  
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