

Title (en)
LOCKING ASSEMBLY FOR FIREARM RECOIL SIMULATOR

Title (de)
VERRIEGELUNGSANORDNUNG FÜR SCHUSSWAFFENRÜCKSTOSSSIMULATOR

Title (fr)
ENSEMBLE DE VERROUILLAGE DESTINE A UN SIMULATEUR DE REcul D'UNE ARME A FEU

Publication
EP 1660837 A1 20060531 (EN)

Application
EP 03808396 A 20030811

Priority
US 0325118 W 20030811

Abstract (en)
[origin: WO2005019760A1] A bolt locking assembly (12) for a weapon simulator (10), the weapon simulator (10) having a bolt (18) affixed to a firearm housing (11) providing recoil to the user. The bolt (18) is connected to a piston (16) housed in a piston chamber (20) inside the housing (11). A gas supply (2) provides a compressed gas or fluid into the piston chamber (20) to generate movement and recoil of the piston (16). After the weapon simulator (10) has been fired a predetermined number of times, the bolt locking assembly (12) will obstruct operation of the bolt (18) and piston (16). The bolt locking assembly (12) includes a lock actuator port (14) engaging the piston chamber (20), a locking apparatus positioned within the housing (11) proximate the bolt (18), and a lock actuator port (26) between said lock actuator port (14) and said locking arm (17), wherein the lock actuator port (26) directs gas to said locking apparatus to actuate said locking apparatus and fix the bolt (18) in place.

IPC 1-7
F41A 33/00

IPC 8 full level
F41A 33/00 (2006.01); **F41A 17/42** (2006.01); **F41A 33/06** (2006.01)

CPC (source: EP)
F41A 17/42 (2013.01); **F41A 33/06** (2013.01)

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 PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
WO 2005019760 A1 20050303; AT E461412 T1 20100415; AU 2003304440 A1 20050310; AU 2003304440 B2 20101104; CA 2535659 A1 20050303; CA 2535659 C 20110118; CN 1839291 A 20060927; CN 1839291 B 20100609; DE 60331785 D1 20100429; DK 1660837 T3 20100621; EP 1660837 A1 20060531; EP 1660837 A4 20070829; EP 1660837 B1 20100317; ES 2338548 T3 20100510; HK 1097037 A1 20070615; IL 173675 A0 20060705

DOCDB simple family (application)
US 0325118 W 20030811; AT 03808396 T 20030811; AU 2003304440 A 20030811; CA 2535659 A 20030811; CN 03827087 A 20030811; DE 60331785 T 20030811; DK 03808396 T 20030811; EP 03808396 A 20030811; ES 03808396 T 20030811; HK 07101796 A 20070215; IL 17367506 A 20060213