

Title (en)

Ball-trapping device with electronic detection of impact on a target and detection method used therewith

Title (de)

Geschossfangeinrichtung mit einer elektronischen Zielscheibentrefferauswertung sowie ein Verfahren dafür

Title (fr)

Collecteur de balles muni d'un système électronique d'impact sur une cible et méthode de détection

Publication

EP 1323999 A2 20030702 (EN)

Application

EP 02380261 A 20021212

Priority

ES 200102834 A 20011219

Abstract (en)

It comprises an impact resistant casing (1) having a frontal opening and means for removably fastening a target (2) covering such opening, the target (2) being of a sheet material through which projectiles can go and having an external face with a depicted motive to be shot. Electronic means are provided for detecting the position of impact on said target (2), comprising an electronic camera (3) arranged to obtain successive images of a face of target (2) after each shot, an image treating unit (4) for determining the geometric centre of the projectile at each impact from a treatment of the obtained images, and a data receiving and/or retransmitting centre (6,7) for displaying the results on a viewing screen (13, 14) and/or for retransmit them through a telecommunication network. <IMAGE>

IPC 1-7

F41J 5/10; **F41J 1/14**

IPC 8 full level

F41J 5/10 (2006.01); **F41J 5/14** (2006.01); **F41J 13/02** (2009.01)

CPC (source: EP US)

F41J 5/10 (2013.01 - EP US); **F41J 5/14** (2013.01 - EP US); **F41J 13/02** (2013.01 - EP US)

Citation (applicant)

- ES 1023727 U 19930716
- ES 1001945 U 19880516
- ES 8305921 A1 19830501 - KEMPF ALFONS [DE]
- ES 2025007 A6 19920301 - QUETGLAS ARINO MIGUEL ANGEL [ES]

Cited by

FR2876787A1; ITBG20110017A1; EP3034987A1; US7175182B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1323999 A2 20030702; **EP 1323999 A3 20040421**; CN 1427240 A 20030702; ES 2189685 A1 20030701; ES 2189685 B1 20041016; US 2003134700 A1 20030717

DOCDB simple family (application)

EP 02380261 A 20021212; CN 02157197 A 20021219; ES 200102834 A 20011219; US 32359702 A 20021219