Title (en)

Method and device for identifying a corrected desintegration time of a programmable and frangible projectile

Title (de)

Verfahren und Vorrichtung zur Bestimmung einer korrigierten Zerlegungszeit eines programmierbar zerlegbaren Geschosses

Title (fr)

Procédé et dispositif de détermination d'un temps de désintégration corrigé d'un projectile programmable et frangible

Publication

EP 0802392 B1 20001018 (DE)

Application

EP 96118045 A 19961111

Priority

CH 99996 A 19960419

Abstract (en)

[origin: EP0802392A1] The disaggregation time determination involves performing a calculation based on an impact distance, RT, to a target determined from sensor data, a projectile velocity, Vm, at a muzzle and a given disaggregation distance, Dz. The disaggregation distance is kept constant by a correction of a disaggregation time using the equation: $Tz(Vm) = Tz + K*(Vm-Vov)$ $Tz(Vm)$ is the corrected disaggregation time. K is a correction factor. Vov is a lead velocity of a projectile. The correction factor is calculated based upon flying time of the projectile, air resistance and a value relating to a position of the gun barrel.

IPC 1-7

F42C 17/04

IPC 8 full level

F42C 9/00 (2006.01); **F42C 17/04** (2006.01)

CPC (source: EP KR US)

F42C 11/06 (2013.01 - KR); **F42C 17/04** (2013.01 - EP KR US)

Cited by

EP0992758A1; DE102011109658A1; EP0992762A1; DE102011106198B3; DE102011018248B3; DE102009011447A1; DE102009011447B4; DE102009011447B9; US6422119B1; WO2008098562A1; US6427598B1; WO2012143218A1; WO2012168190A1; EP0992761A1

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EP 0802392 A1 19971022; **EP 0802392 B1 20001018**; AT E197091 T1 20001115; AU 716410 B2 20000224; AU 7172996 A 19971023; CA 2190385 A1 19971020; CA 2190385 C 20030520; DE 59606026 D1 20001123; JP 3891618 B2 20070314; JP H09280799 A 19971031; KR 100436385 B1 20040825; KR 970070941 A 19971107; NO 311953 B1 20020218; NO 964755 D0 19961108; NO 964755 L 19971020; SG 83656 A1 20011016; TR 199600951 A1 19971121; US 5814756 A 19980929; ZA 969542 B 19970617

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EP 96118045 A 19961111; AT 96118045 T 19961111; AU 7172996 A 19961113; CA 2190385 A 19961114; DE 59606026 T 19961111; JP 31344896 A 19961125; KR 19960054799 A 19961118; NO 964755 A 19961108; SG 1996011109 A 19961113; TR 9600951 A 19961127; US 74932896 A 19961114; ZA 969542 A 19961113