

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: $T_z(V_m) = T_z + K \cdot (V_m - V_{ov})$. $T_z(V_m)$ 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.

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F42C 17/04

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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

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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