

Title (en)

ARRANGEMENT TO DETERMINE THE IMPACT POINT, THE VELOCITY AND THE ANGLE OF INCIDENCE OF A PROJECTILE HITTING A TARGET AT SUPERSONIC VELOCITY

Publication

EP 0157397 B1 19910116 (DE)

Application

EP 85103876 A 19850331

Priority

DE 3412326 A 19840403

Abstract (en)

[origin: EP0157397A2] To determine the impact point and/or velocity and/or angle of incidence of projectiles hitting a target at supersonic speed, independently of the angle between the projectile trajectory and the perpendicular to the impact image plane, there are frames which are arranged in two planes parallel to one another and to the target surface and to the sides of which are attached acoustic sensors surrounding the expected flight trajectories of the projectiles. The impact point, projectile velocity and angle of incidence can be calculated from the sequence and difference in transit time of the electrical signals triggered in the sensors by the bow wave of the projectile. <IMAGE>

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F41J 5/06

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2663729A1; EP0455531A1; FR2661245A1; US5920522A; CN109029132A; US6198694B1; DE102017010708A1; EP4312050A1

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