

Title (en)

Method for determining the rotation speed of the aiming line with a strapped down seeker head

Title (de)

Verfahren zur Bestimmung der Sichtliniendrehraten mit einem starren Suchkopf

Title (fr)

Procédé pour la détermination de la vitesse de rotation d'une ligne de visée à l'aide d'un autodirecteur fixé rigidement

Publication

EP 0653600 B1 19960508 (DE)

Application

EP 94116112 A 19941012

Priority

DE 4339187 A 19931116

Abstract (en)

[origin: US5669579A] A method for determining the rates of turn of the missile/target line of sight with a seeker head rigidly mounted on the missile, characterized in that the azimuth and elevation deviation angles (ψ_{sm} and Θ_{sm}) of the target measured with the rigidly mounted seeker head (2) in the missile-fixed coordinate system (s_1 , S_2 , s_3) are transformed to the azimuth and elevation deviation angles (ψ_v and Θ_v) of the target based on the coordinate system (v_1 , v_2 , v_3) of a virtual, gimbal mounted and gyro stabilized seeker head (2v) that tracks the missile/target line of sight (SL) by rotation with the rates of turn (p_v , q_v , r_v) about its three axes (v_1 , v_2 , v_3).

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