

Title (en)

Method for estimating the relative motion between missile and target

Title (de)

Verfahren zur Bestimmung der Relativbewegung zwischen Flugkörper und Ziel

Title (fr)

Procédé pour l'estimation du mouvement relatif entre missile et cible

Publication

**EP 1079198 B1 20040929 (DE)**

Application

**EP 00114135 A 20000711**

Priority

DE 19939935 A 19990823

Abstract (en)

[origin: EP1079198A1] The method involves using a recursive algorithm to obtain estimates for the three-dimensional vector of the target speed in a coordinate system that is fixed w.r.t. the seeker head of the missile. The estimates are obtained from a predetermined, maximum absolute parameter of the target and the parameter of the target image that is dependent on the observation direction, as observed from the seeker head, using other measurable parameters.

IPC 1-7

**F41G 7/22**

IPC 8 full level

**F41G 7/22** (2006.01)

CPC (source: EP US)

**F41G 7/2226** (2013.01 - EP US); **F41G 7/2253** (2013.01 - EP US); **F41G 7/2293** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

**EP 1079198 A1 20010228**; **EP 1079198 B1 20040929**; DE 19939935 A1 20010301; DE 50007970 D1 20041104; IL 137926 A0 20011031; US 6421116 B1 20020716

DOCDB simple family (application)

**EP 00114135 A 20000711**; DE 19939935 A 19990823; DE 50007970 T 20000711; IL 13792600 A 20000817; US 63718400 A 20000811