

Title (en)

SIMPLIFIED SELF-STEERING SYSTEM FOR A MISSILE SUCH AS A SHELL OR ROCKET

Publication

EP 0033283 B1 19860122 (FR)

Application

EP 81400119 A 19810128

Priority

FR 8001869 A 19800129

Abstract (en)

[origin: US4397430A] The simplified homing system comprises an accelerometric device mounted directly on the missile structure and associated with discriminating means for delivering signals representative of the lateral acceleration γ_{ext} of the missile due to outside forces and the centrifugal acceleration γ_c due to the rolling; target detection means directly mounted on the missile structure; passive means ensuring the keeping up of the rolling movement of the missile; means for determining from information supplied by the accelerometric device and discriminating means and by target detection means the serviceable values related to the vector V indicating the relative speed of the missile with respect to the air in a reference system related to the missile and to the vector uc representing the direction of the target with respect to the axis of the missile and means for elaborating a guiding force F_p from the said predetermined serviceable values related to the vectors V and uc .

IPC 1-7

F41G 7/22

IPC 8 full level

F41G 7/20 (2006.01); **F41G 7/22** (2006.01); **G05D 1/12** (2006.01)

CPC (source: EP US)

F41G 7/222 (2013.01 - EP US); **F41G 7/2253** (2013.01 - EP US); **F41G 7/2293** (2013.01 - EP US)

Cited by

DE3442598A1; EP0561163A1; FR2712685A1; DE3347941B3; US4529151A; FR2647894A1; EP0208544A1; EP0589746A1; FR2695992A1; US5341743A; WO8301298A1

Designated contracting state (EPC)

DE GB IT SE

DOCDB simple family (publication)

EP 0033283 A2 19810805; **EP 0033283 A3 19811202**; **EP 0033283 B1 19860122**; DE 3173544 D1 19860306; FR 2474686 A1 19810731; FR 2474686 B1 19860404; JP S5757313 A 19820406; US 4397430 A 19830809

DOCDB simple family (application)

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