

Title (en)

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

Publication

**EP 0033283 A3 19811202 (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  $\gamma_{ext}$  of the missile due to outside forces and the centrifugal acceleration  $\gamma_c$  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)

Citation (search report)

- US 3735944 A 19730529 - BANNETT R J, et al
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- US 3642233 A 19720215 - BEZERIE JEAN PIERRE
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Cited by

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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)

**EP 81400119 A 19810128**; DE 3173544 T 19810128; FR 8001869 A 19800129; JP 1218281 A 19810129; US 23011781 A 19810126