

Title (en)

Apparatus for determining the roll angle position of a flying device, especially of an ammunition

Title (de)

Vorrichtung zur Rollwinkelbestimmung eines Flugkörpers, insbesondere einer Munition

Title (fr)

Dispositif de détermination de l'orientation en roulis d'un engin volant, notamment d'une munition

Publication

EP 0809084 B1 20030319 (FR)

Application

EP 97401026 A 19970507

Priority

FR 9605979 A 19960514

Abstract (en)

[origin: EP0809084A1] The device uses a directional antenna (23) mounted on the shell body. The shell rotates in flight around its axis (21) and when the transmitter antenna points towards a GPS ground receiver (29) and antenna (28) there is a peak in received signals. The peak determines the shell angle of rotation at that instant allowing course correction signals to be calculated (27) relative to the shell missile body angle. The correction instruction (33) is transmitted from a ground GPS transmitter and received by an omni-directional antenna on the missile.

IPC 1-7

F41G 7/30

IPC 8 full level

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CPC (source: EP)

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Cited by

CN112902768A; US6098547A; EP1291600A1; FR2829593A1

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EP 0809084 A1 19971126; EP 0809084 B1 20030319; DE 69719852 D1 20030424; DE 69719852 T2 20031204; FR 2748814 A1 19971121; FR 2748814 B1 19980814

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