

Title (en)

Method for automatic control of a seeker head mounted on a flying apparatus, especially a missile

Title (de)

Verfahren zur automatischen Steuerung eines Zielsuchkopfes, der auf einem Fluggerät montiert ist, insbesondere auf einem Marschflugkörper

Title (fr)

Procédé de gestion automatique d'un autodirecteur monté sur un engin volant, en particulier sur un missile

Publication

EP 2518433 B1 20150415 (FR)

Application

EP 12290131 A 20120416

Priority

FR 1101320 A 20110428

Abstract (en)

[origin: EP2518433A1] The method involves automatically controlling a flying vehicle (1) to trace a circle whose radius increases in time, along a longitudinal axis (4) of the vehicle during lock-on phase of a strapdown homing device (2), until a movable target (C) is detected, where viewing direction (3) extends along the axis of the vehicle. The vehicle is simultaneously subjected to two controls to vary angles formed between a homing device vector related to the axis of the vehicle and two vehicle axes, respectively, in a sinusoidal or out-of-phase manner. An independent claim is also included for a flying vehicle i.e. aerial missile.

IPC 8 full level

F41G 7/00 (2006.01); **F41G 7/22** (2006.01)

CPC (source: EP US)

F41G 7/00 (2013.01 - US); **F41G 7/22** (2013.01 - EP US); **F41G 7/2253** (2013.01 - EP US); **F41G 7/2293** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2518433 A1 20121031; **EP 2518433 B1 20150415**; **EP 2518433 B8 20150520**; FR 2974625 A1 20121102; FR 2974625 B1 20130517; IL 229036 A0 20131231; IL 229036 A 20170928; RU 2013146844 A 20150610; RU 2595309 C2 20160827; US 2014042265 A1 20140213; US 9234723 B2 20160112; WO 2012146835 A1 20121101; WO 2012146835 A8 20131128

DOCDB simple family (application)

EP 12290131 A 20120416; FR 1101320 A 20110428; FR 2012000146 W 20120416; IL 22903613 A 20131023; RU 2013146844 A 20120416; US 201214113519 A 20120416