

Title (en)

Infrared seeker head for homing missile

Title (de)

Infrarot-Suchkopf für zielsuchende Flugkörper

Title (fr)

Autodirecteur infrarouge pour missile chercheur de cible

Publication

EP 0882941 B1 20031203 (DE)

Application

EP 98109319 A 19980522

Priority

DE 19724080 A 19970607

Abstract (en)

[origin: EP0882941A1] The search head forms an image of the field of view on a main detector via an imaging optical system. The main detector (16) detects a target in the field of view. The search head has a device for resisting noise caused by the transmission of high intensity radiation from the target towards the flying body. The noise resisting device contains a second detector (18) which responds to the high intensity radiation by detecting the position of its source. The operation of the second detector is not degraded by the high intensity radiation. The flying body can be steered towards the source using the outputs of either sensor.

IPC 1-7

F41G 7/22

IPC 8 full level

F41G 7/22 (2006.01)

CPC (source: EP US)

F41G 7/2213 (2013.01 - EP US); **F41G 7/224** (2013.01 - EP US); **F41G 7/2253** (2013.01 - EP US); **F41G 7/2293** (2013.01 - EP US)

Cited by

CN117538961A; WO2023072629A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0882941 A1 19981209; **EP 0882941 B1 20031203**; DE 19724080 A1 19981210; DE 59810311 D1 20040115; US 6196497 B1 20010306

DOCDB simple family (application)

EP 98109319 A 19980522; DE 19724080 A 19970607; DE 59810311 T 19980522; US 8836998 A 19980602