

Title (en)
GUIDANCE HEAD AND METHOD

Title (de)
FÜHRUNGSKOPF UND -VERFAHREN

Title (fr)
TÊTE DE GUIDAGE ET PROCÉDÉ

Publication
EP 4088079 A1 20221116 (EN)

Application
EP 21700327 A 20210106

Priority
• GB 202000303 A 20200109
• GB 2021050025 W 20210106

Abstract (en)
[origin: GB2590956A] A guidance head for use in directing a beam of energy towards a target comprises one or more beam-steering elements e.g. mirrors 30, 32, for directing a beam of energy 16 towards a projected position on a target object 4 in a scene 5 (fig.1), one or more beam-steering element sensors 38, 40, a display 26, and a processor 28. Each mirror has a corresponding beam-steering configuration, and each beam-steering element sensor 38, 40, which may be a high-resolution (27 bit) encoder, is configured to generate an electrical signal representative of the beam-steering configuration of the corresponding mirror. The processor receives image data representative of the scene and causes the display to display an image of the scene that is based on the received image data. The image includes an aiming mark displayed at a position in the image of the scene based at least in part on the electrical signals from the sensors, and represent the beam-steering configuration of the mirrors. The guidance head may be suitable for a weapon system such as a guided missile weapon system, a directed energy weapon system, a dazzle weapon system, or for use as a target designator (108, fig.5).

IPC 8 full level
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