

Title (en)

Carrier guided by a laser beam and pyrotechnical thrusters.

Title (de)

Durch Laserstrahl und pyrotechnische Impulsgeber geführter Vektor.

Title (fr)

Vecteur guidé de par faisceau laser et impulseurs pyrotechniques.

Publication

EP 0329523 B1 19940615 (FR)

Application

EP 89400335 A 19890207

Priority

FR 8801684 A 19880212

Abstract (en)

[origin: EP0329523A1] The system uses a laser beam and pyrotechnical thrusters to guide one or more carriers (e.g. missiles) designed to intercept manoeuvring targets such as aircraft, helicopters or tanks. <??>The carrier (V) is guided partly from the ground by means of a laser beam ("beam riding" guidance) which tracks the target (C), and partly by means of pyrotechnical thrusters mounted on board the carrier. The carrier thus knows its position at any instant with respect to the ideal trajectory (AL) provided by the laser beam. The carrier corrects its trajectory by triggering a pyrotechnical thruster when its distance (D) from the ideal trajectory is greater than a predefined threshold value (R) and when its radial velocity of approach to the ideal trajectory is less than a predefined threshold. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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