

Title (en)
LASER SMALL ARMS TRANSMITTER

Title (de)
LASER-SENDER FÜR HANDFEUERWAFFE

Title (fr)
EMETTEUR LASER POUR ARMES LEGERES

Publication
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Application
EP 95917730 A 19950428

Priority
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• US 9505253 W 19950428

Abstract (en)
[origin: WO9530124A1] A laser small arms transmitter (SAT) which may be affixed to the stock of a rifle such as an M16 used by a soldier in training with a multiple integrated laser engagement system (MILES). The transmitter includes a housing assembly having a forward end with a window through which the beam of a laser diode is emitted. A pair of optical wedges are positioned inside the housing assembly between the laser diode and the window. The optical wedges are supported for independent rotation about a common optical axis for steering the laser beam. An alignment head may be physically mated to the rearward end of the housing assembly for driving a pair of shafts to rotate the optical wedges in the alignment of the transmitter so that a soldier can accurately hit a target once he or she has located the target in the conventional sights of the rifle. The laser transmitter may also include a sensor for detecting the firing of a blank cartridge, a fire LED mounted inside the housing for producing an optical signal to indicate to the alignment head that the laser diode has been energized, and an inductive switch connected to a power circuit and actuatable by an induction coil in the alignment head to energize the laser diode.

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