

Abstract

The present invention relates to weapons technology. In particular, the present invention relates to an airborne laser weapon system (2). Said laser weapon
5 system (2) is divided into two units, a ground-based unit (12a) and an airborne unit (12b). The relatively heavy components of the laser weapon system, such as the generator, cooling elements with cooling fluid, accumulators, pump diodes, beam couplers and the control station for an operator, are concentrated and/or arranged in the ground-based part (12a). The relatively lightweight components and/or those
10 that ultimately determine the quality of the laser beam, such as active laser element(s), in particular the output stage(s) thereof, the focusing drive, the telescope and the necessary sensors, may be provided on the airborne platform (12b) and may be connected by means of a relatively long, e.g. multiple kilometers, optical waveguide (18) to the ground-based part (12a).

15 [Fig. 3]