

Title (en)

METHOD FOR SETTING AN AUTOMATIC WEAPON FOR COMBATING VEHICLES

Title (de)

VERFAHREN ZUR EINSTELLUNG EINER AUTOMATISCHEN WAFFE ZUR BEKÄMPFUNG VON FAHRZEUGEN

Title (fr)

PROCEDE POUR LE REGLAGE D'UNE ARME AUTOMATIQUE DESTINEE A LUTTER CONTRE DES VEHICULES

Publication

**EP 1032801 A1 20000906 (DE)**

Application

**EP 98961200 A 19981114**

Priority

- DE 19752464 A 19971127
- EP 9807297 W 19981114

Abstract (en)

[origin: WO9928696A1] Defence weapons which are triggered automatically by a vehicle are already used for combating vehicles, especially tanks. Weapons of this type are used to defend a strip of land which generally corresponds to their range. The weapon should be aligned in such a way that the land between it and the furthest possible target or combat point is as flat as possible. However, rather than being flat, the land between the furthest possible combat point and the defence weapon usually deviates downwards by a greater or lesser degree in relation to the firing axis with this point. This results in a vertical sighting error in relation to different target distances, caused by the land. A fixed weapon with unguided projectiles does not take into account the different excessive heights of the ballistic trajectories for the different distances. The probability of a hit is therefore reduced as a result of topographical differences. The aim of the invention is to reduce this problem. According to the inventive method, the topography of the land within the range of action of the weapon in relation to the location of the launching device is determined and stored in a memory for controlling the device for adjusting the weapon. The information is then used to align the weapon with the target and set the launching angle respectively.

IPC 1-7

**F41G 3/06**; **F42B 23/04**

IPC 8 full level

**F41G 3/06** (2006.01); **F42B 23/04** (2006.01)

CPC (source: EP KR)

**F41G 3/06** (2013.01 - EP KR); **F42B 23/04** (2013.01 - EP)

Citation (search report)

See references of WO 9928696A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9928696 A1 19990610**; CA 2311775 A1 19990610; DE 19752464 A1 19990715; EP 1032801 A1 20000906; JP 2001525533 A 20011211; KR 20010032567 A 20010425; NO 20002716 D0 20000526; NO 20002716 L 20000526

DOCDB simple family (application)

**EP 9807297 W 19981114**; CA 2311775 A 19981114; DE 19752464 A 19971127; EP 98961200 A 19981114; JP 2000523512 A 19981114; KR 20007005812 A 20000527; NO 20002716 A 20000526