Title (en)

WEAPON SYSTEM HAVING A RECOIL-FREE OR LOW-RECOIL WEAPON AND HAVING A SHELL THAT CAN BE SHOT BY MEANS OF THE WEAPON

Title (de)

WAFFENSYSTEM MIT EINER RÜCKSTOßFREIEN ODER RÜCKSTOßARMEN WAFFE UND EINER MIT DER WAFFE VERSCHIEßBAREN GRANATE

Title (fr)

SYSTÈME D'ARME COMPRENANT UNE ARME SANS RECUL OU À FAIBLE RECUL, ET UNE GRENADE POUVANT ÊTRE TIRÉE PAR CETTE ARME

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Application

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Abstract (en)

[origin: WO2013174821A1] The invention relates to weapon system (1) comprising a recoil-free or low-recoil weapon (2), which has a weapon barrel (3), and further comprising a shell (4) that can be shot by means of the weapon (2) and which has a rod-shaped rear region (5) that protrudes into the weapon barrel at the opening end. According to the invention, in order for the shell (4) to have an increased exit speed in comparison with comparable known weapon systems having a recoil-free or low-recoil weapon for such a weapon system (1), the weapon (2) is designed as a light-gas accelerator in order to pre-accelerate the shell (4). Thus, exit speeds of the shell (4) above the speed of sound can be produced in a simple manner. The post-acceleration of the shell (4) then occurs outside of the weapon barrel (3) by means of an athodyd (ramjet drive) associated with the shell (4).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Citation (examination)

US 2010212481 A1 20100826 - KOTH PHILIP EDWARD [US]

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