

Title (en)

Powder-actuated bolt driving tool

Title (de)

Pulverkraftbetriebenes Bolzensetzgerät

Title (fr)

Appareil de scellement de chevilles actionné par la poudre

Publication

**EP 0805003 B1 20010704 (DE)**

Application

**EP 97107296 A 19970502**

Priority

- DE 19617672 A 19960503
- US 9416698 A 19980609

Abstract (en)

[origin: US6085958A] The invention relates to a pyrotechnically operated bolt-setting tool having a barrel (11, 12) which is guided in a barrel-guiding sleeve (1) and can be brought into operative engagement with a locking part (18), the barrel-guiding bore (26) of which accommodates a piston (21), which has a piston shank (23) and a piston head (22), and which has a cartridge store (16) on that side which is remote from the mouth, in which tool the rear side of the piston head (22) is connected through the piston (21) to its front side in such a manner that some of the combustion gases are guided to the front side of the piston head (22), and in which the barrel (11, 12), on its side which faces the cartridge store (16), has ventilation slots (31) which are released by the piston head (22) as the bolt is being fired, before the piston (21) reaches its end position on the mouth side, in which position a gas cushion is compressed between the piston head (22) and the barrel (11, 12), which gas cushion subsequently presses the piston (21) back into its starting position.

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