

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.

IPC 1-7

B25C 1/14

IPC 8 full level

B25C 1/14 (2006.01)

CPC (source: EP US)

B25C 1/14 (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE ES FI FR GB IT LI SE

DOCDB simple family (publication)

US 6085958 A 20000711; AT E202738 T1 20010715; DE 19617672 C1 19971009; DE 59703936 D1 20010809; EP 0805003 A2 19971105; EP 0805003 A3 19980204; EP 0805003 B1 20010704; ES 2171240 T3 20020901

DOCDB simple family (application)

US 9416698 A 19980609; AT 97107296 T 19970502; DE 19617672 A 19960503; DE 59703936 T 19970502; EP 97107296 A 19970502; ES 97107296 T 19970502