

Title (en)
Setting tool

Title (de)
Setzgerät

Title (fr)
Outil de scellement

Publication
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Application
EP 00810034 A 20000114

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Abstract (en)

[origin: US6126055A] An explosive powder charge-operated setting tool including a guide cylinder (2) displaceable relative to the tool housing (1), a drive piston (4) displaceably arranged in the inner bore (25) of the guide cylinder (2), a control pin (8) projecting from the guide cylinder (2) in a direction opposite to a setting direction, a spring-biased firing pin (16) cooperating with the control pin (8), a release pusher (19) for displacing the mating surface (26) of the firing pin (16) out of an axial projection surface of the control pin (8), a trigger (15) for actuating the release pusher (19), and a back-up pin (9) projecting into the inner bore (25) of the guide cylinder (2), with a smallest distance (A3) between the back-up pin (9) and a bottom (28) of the inner bore (25) facing in the setting direction corresponding to a length of the drive piston (4) between its end surface facing in the direction opposite to the setting direction and its stop surface (29) facing in the setting direction and cooperating with the back-up pin (9), and with a smallest distance (A1) between the back-up pin (9) and a free end surface of the control pin (8) plus a clearance (5) between the mating surface (26) of the firing pin (16) and the free end surface of the control pin (8) corresponding to a smallest distance (A2) between the back-up pin (9) and the mating surface (26) of the firing pin (16).

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