

Title (en)

Powder-actuated fastening tool

Title (de)

Pulverkraftbetriebenes Setzgerät

Title (fr)

Outil de scellement actionné par poudre

Publication

EP 0760271 A1 19970305 (DE)

Application

EP 96810423 A 19960624

Priority

DE 19532411 A 19950901

Abstract (en)

The tool has a guide (4) with bore (11) for the driving piston (1), while at the rear end of the bore is a connecting drilling (7) to a cartridge chamber (6). A base portion (5) encloses the drilling, while the guide is enclosed by a portion (8) of the housing clear of it in the radial direction. The intervening passage (9) so formed is connected to the cartridge chamber and also by a port (10) to the guide bore. A further port (12) in the housing can be shut off, and the passage contains a valve (13) which can be shut, forming an accumulator chamber sealed off from atmospheres and including the driving side of the passage and the guide bore. A distance-piece (2) on the base portion (5) of the guide has a transvers stop face (5) which is of smaller area than the base portion. The piece can alternatively be on the driving piston, and its surface area can be between 0.04 and 0.5 times that of the base portion. its height in the axial direction can be between 0.05 and 0.2 times the piston diam., and its surface (3) can form part of a circle, being typically at the piston edge.

Abstract (de)

Das pulverkraftbetriebene Setzgerät weist einen Treibkolben (1) und eine Kolbenführung (4) auf, die in einem entgegen der Setzrichtung angeordneten Bereich mit einem Bodenteil (5) in Verbindung steht. Zwischen dem Treibkolben (1) und dem Bodenteil (5) ist im axialen Projektionsbereich des Bodenteiles (5) ein Abstandselement (2) angeordnet, dessen senkrecht zur Achse verlaufende Anschlagfläche (3) kleiner ist als der Projektionsbereich des Bodenteiles (5). <IMAGE>

IPC 1-7

B25C 1/14; **B25C 1/18**

IPC 8 full level

B25C 1/10 (2006.01); **B25C 1/14** (2006.01); **B25C 1/18** (2006.01)

CPC (source: EP KR US)

B25C 1/10 (2013.01 - KR); **B25C 1/14** (2013.01 - EP US); **B25C 1/18** (2013.01 - EP US)

Citation (search report)

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