

Title (en)

Powder-actuated setting tool.

Title (de)

Pulverkraftbetriebenes Setzgerät.

Title (fr)

Outil de scellement actionné par poudre.

Publication

EP 0579575 B1 19950621 (DE)

Application

EP 93810460 A 19930628

Priority

DE 4222961 A 19920713

Abstract (en)

[origin: EP0579575A1] The driving piston (2) of the gun slides in a guide cylinder (1) with a cartridge chamber (5) in the end wall (3). The passage (4) from the cartridge chamber opens into a dish-shaped recess (7) facing the piston. In the top of the piston is a ring shaped impression (10) whose outer diameter is approx. twice that of the semi-circular generating section of the impression. The space enclosed by the recess (7) and impression (10) compels unburnt powder to circulate backwards towards the hot zone of the end wall (3). This allows further combustion to take place and prevents contamination of the gun mechanism by unburnt powder.

IPC 1-7

B25C 1/14

IPC 8 full level

B25C 1/14 (2006.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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EP 0579575 A1 19940119; EP 0579575 B1 19950621; DE 4222961 A1 19940120; DE 59300282 D1 19950727; JP 3283643 B2 20020520; JP H06155330 A 19940603; US 5329839 A 19940719

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