

Title (en)
Powder-actuated fastener setting tool.

Title (de)
Pulverkraftbetriebenes Setzgerät.

Title (fr)
Outil actionné par la poudre.

Publication
EP 0162009 A2 19851121 (DE)

Application
EP 85810169 A 19850416

Priority
DE 3418238 A 19840516

Abstract (en)
[origin: ES286746U] A powder charge operated fastening element setting device includes a housing, a barrel forming an axially extending bore with the barrel being axially and rotationally displaceable within the housing. An axially extending driving piston is located in the barrel bore and is axially displaceable therein between a ready-to-fire position and a fired position. A guide bush is located within the housing at the rear end of the barrel and is coextensive with an axially extended part of the barrel. The guide bush is secured against rotation relative to the housing. Propellant gases are generated in combustion chamber in the guide bush and flow into the barrel bore. The force of the propellant gases for propelling the driving piston can be regulated by at least one outlet opening adjacent the rear end of the barrel which can be selectively connected to an outlet flow duct in the guide bushing which opens to the atmosphere. By rotating the barrel the outlet opening can be moved into or out of communication with the outlet flow duct.

Abstract (de)
Das pulverkraftbetriebene Setzgerät 1 weist ein Gehäuse (2) mit einem darin verdrehbaren Lauf (3) mit Treibkolben (4) und einer den Lauf (3) übergreifenden, gegenüber dem Gehäuse (2) drehfesten Führungsbuchse (5) auf. Aus einer in der Führungsbuchse (5) vorgesehenen Brennkammer (25) strömen die Treibgase in den Lauf (3) und können zur Leistungssteuerung teilweise in die Atmosphäre abgeleitet werden. Hierzu dient wenigstens eine mit der Brennkammer in Verbindung stehende Abblasöffnung (22) im Lauf (3), die durch Drehen des Laufs (3) mit einem zur Atmosphäre hin offenen Abströmkanal (23) in der Führungsbuchse (5) in Dekkung gebracht werden kann.

IPC 1-7
B25C 1/14

IPC 8 full level
B25C 1/10 (2006.01); **B25C 1/14** (2006.01); **B25C 1/16** (2006.01)

CPC (source: EP US)
B25C 1/14 (2013.01 - EP US)

Cited by
FR2832662A1; EP0236265A3; EP0868979A1; FR2761631A1; US6015078A

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AT BE CH DE FR GB IT LI NL SE

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EP 85810169 A 19850416; AU 4244285 A 19850514; DE 3418238 A 19840516; ES 286746 U 19850514; JP 9566985 A 19850507; US 73403785 A 19850514