

Title (en)

Power controlled stud-driving tool.

Title (de)

Schlagbolzensetzgerät mit Leistungsregulierung.

Title (fr)

Appareil de scellement à masselotte à réglage de puissance.

Publication

**EP 0018272 A1 19801029 (FR)**

Application

**EP 80400478 A 19800409**

Priority

GB 7912653 A 19790410

Abstract (en)

[origin: ES8101442A1] A power adjustment for a piston-type powder actuated fastener driving tool wherein a tube is slidably disposed in the barrel of the tool, the tube containing the driving piston of the tool. The tube has a radially inwardly extending flange at its breech end which engages a radially outwardly extending surface on the piston. Means for moving the tube axially of the barrel are provided so that the distance between the flange and firing chamber can be varied whereby the gas expansion chamber between the firing chamber and the rear face of the piston can be varied thereby varying the power with which the piston is driven.

Abstract (fr)

Appareil de scellement comprenant un porte-canon (10), une culasse (12) solidaire du porte-canon (10), un canon (14) coulissant dans la culasse (12), une masselotte (4) dans le canon (14), un guide-pointe (40) en contact avec le canon (14), une bague (32) vissée sur le guide-pointe (40) et le porte-canon (10). Lorsqu'on visse la bague (32) dans le porte-canon (10), on déplace le canon vers l'arrière. Lorsqu'on dévisse la bague (32), on déplace le canon vers l'avant. L'invention permet de faire varier facilement le volume de la chambre de combustion initial de l'appareil destiné à ancrer des éléments de fixation dans un matériau.

IPC 1-7

**B25C 1/10**

IPC 8 full level

**E21C 37/14** (2006.01); **B25C 1/10** (2006.01); **B25C 1/14** (2006.01); **B25C 1/18** (2006.01)

CPC (source: EP US)

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

Citation (search report)

- DE 1603835 B2 19761202
- AT 187869 B 19561210 - SCHULZ WALTER ING [DE]
- DE 1478826 A1 19690123 - BETTERMANN ELEKTRO OHG
- CH 355111 A 19610615 - TERMET PIERRE [FR]

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EP0308322A1; FR2620368A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0018272 A1 19801029; EP 0018272 B1 19830706**; AT E4031 T1 19830715; AU 539556 B2 19841004; AU 5726580 A 19801016; BR 8002173 A 19801125; CA 1144302 A 19830412; DE 3064013 D1 19830811; ES 490445 A0 19801216; ES 8101442 A1 19801216; GB 2045673 A 19801105; GB 2045673 B 19830323; JP S569587 A 19810131; JP S626075 B2 19870207; MX 151004 A 19840906; NZ 193296 A 19831216; US 4374567 A 19830222; ZA 801858 B 19810429

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**EP 80400478 A 19800409**; AT 80400478 T 19800409; AU 5726580 A 19800409; BR 8002173 A 19800409; CA 349394 A 19800409; DE 3064013 T 19800409; ES 490445 A 19800410; GB 7912653 A 19790410; JP 4576080 A 19800409; MX 18190180 A 19800409; NZ 19329680 A 19800328; US 13878980 A 19800409; ZA 801858 A 19800328