

Title (en)  
Powder-actuated fastener driving tool

Title (de)  
Pulverkraftbetriebenes Setzgerät

Title (fr)  
Outil de scellement actionné par poudre

Publication  
**EP 0972615 A3 20000419 (DE)**

Application  
**EP 99810534 A 19990617**

Priority  
DE 19831053 A 19980713

Abstract (en)  
[origin: EP0972615A2] The machine has a cartridge holder (3) and a piston guide (1) with exhaust channel (4). A sealing section (6) defined by propulsion piston (5) and piston guide, is located between the openings of cartridge holder and exhaust channel. The sealing section is formed by the inner wall (9) of a cylindrical recess (8) in a stop face (7) of the piston guide, and the outer wall (12) of a shoulder (11) on the counter face (10) of the piston.

IPC 1-7  
**B25C 1/18**

IPC 8 full level  
**B25C 1/14** (2006.01); **B25C 1/18** (2006.01)

CPC (source: EP US)  
**B25C 1/18** (2013.01 - EP US)

Citation (search report)

- [X] US 3399817 A 19680903 - KARL DIEHL
- [XA] EP 0798084 A1 19971001 - SPIT SOC PROSPECT INV TECHN [FR]
- [DA] EP 0330950 A2 19890906 - HILTI AG [LI]
- [A] DE 19544104 A1 19970528 - HILTI AG [LI]

Cited by  
EP2886257A1; US10556332B2; WO2015091431A1; EP2886256A1; WO2015091090A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**EP 0972615 A2 20000119; EP 0972615 A3 20000419; EP 0972615 B1 20031022**; AT E252443 T1 20031115; AU 3910599 A 20000203; AU 754972 B2 20021128; CN 1140384 C 20040303; CN 1242275 A 20000126; DE 19831053 A1 20000120; DE 59907418 D1 20031127; JP 2000024955 A 20000125; US 6161745 A 20001219

DOCDB simple family (application)  
**EP 99810534 A 19990617**; AT 99810534 T 19990617; AU 3910599 A 19990708; CN 99110434 A 19990712; DE 19831053 A 19980713; DE 59907418 T 19990617; JP 19568799 A 19990709; US 35259899 A 19990713