

Title (en)  
Bolt driving tool

Title (de)  
Bolzensetzgerät

Title (fr)  
Appareil de scellement de chevilles

Publication  
**EP 0995552 A3 20001108 (DE)**

Application  
**EP 99124281 A 19960309**

Priority  
• DE 19509763 A 19950317  
• EP 96103717 A 19960309

Abstract (en)  
[origin: EP0732178A1] The apparatus has a housing (1) containing a drive piston (5) which when charged drives the nail or bolt (15) through the bolt guide (9). An elastically deformable damping element (18), which can be vulcanised or viscous, is connected to the end face (10) of the housing and/or to the bolt guide (9) and forms a part of the latter. A brake element (16) can be provided to brake the drive piston (5) relative to the housing at the end of the thrust movement. The damping element can be connected to the front end of the bolt guide and/or is inserted as a ring element between two ring parts forming the bolt guide and is connected to same. The bolt guide can be axially displaceable.

IPC 1-7  
**B25C 1/14**

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

CPC (source: EP)  
**B25C 1/14** (2013.01); **B25C 1/188** (2013.01)

Citation (search report)  
• [XY] US 3331546 A 19670718 - BRUNELLE LAWRENCE J  
• [X] DE 1939801 A1 19700205 - TERMET PIERRE  
• [YA] DE 2144706 A1 19720323  
• [A] DE 2850273 A1 19800529 - HILTI AG  
• [A] CH 318934 A 19570131 - ANSTALT FUER MONTAGE TECHNIK [LI]  
• [A] US 3301335 A 19670131 - SNELLING THOMAS E

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0732178 A1 19960918; EP 0732178 B1 20000607**; AT E193668 T1 20000615; AT E361179 T1 20070515; DE 19509763 A1 19960919; DE 59605376 D1 20000713; DE 59611428 D1 20070614; DK 0732178 T3 20001030; EP 0995552 A2 20000426; EP 0995552 A3 20001108; EP 0995552 B1 20070502; ES 2149396 T3 20001101; ES 2284233 T3 20071101; GR 3033960 T3 20001130; PT 732178 E 20000929

DOCDB simple family (application)  
**EP 96103717 A 19960309**; AT 96103717 T 19960309; AT 99124281 T 19960309; DE 19509763 A 19950317; DE 59605376 T 19960309; DE 59611428 T 19960309; DK 96103717 T 19960309; EP 99124281 A 19960309; ES 96103717 T 19960309; ES 99124281 T 19960309; GR 20000401645 T 20000717; PT 96103717 T 19960309