

Title (en)  
Fastener driving tool for fasteners

Title (de)  
Setzwerkzeug für Befestigungselemente

Title (fr)  
Outil de pose de moyens de fixation

Publication  
**EP 1162036 A3 20020911 (DE)**

Application  
**EP 01810509 A 20010523**

Priority  
DE 10028012 A 20000606

Abstract (en)  
[origin: EP1162036A2] The tool (2) has a conical outer shape(3) on the load-application side end of the plug's shaft (1) fitting into a conical recess (4). The conical recess and conical outer shape have a cone angle of ten degrees and are at least partly profiled.

IPC 1-7  
**B25B 31/00**; **B25B 13/06**; **B25D 17/00**

IPC 8 full level  
**E21D 20/00** (2006.01); **B25B 13/06** (2006.01); **B25B 31/00** (2006.01)

CPC (source: EP)  
**B25B 13/065** (2013.01); **B25B 31/00** (2013.01)

Citation (search report)

- [X] DE 3232181 A1 19840301 - HILTI AG [LI]
- [X] EP 0395858 A1 19901107 - FISCHER ARTUR WERKE GMBH [DE]
- [X] DE 7621154 U1 19780420
- [DA] DE 7827600 U1 19790104

Cited by  
EP3103591A1; US7954500B2; EP3135435A1; WO2017032642A1

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

DOCDB simple family (publication)  
**EP 1162036 A2 20011212**; **EP 1162036 A3 20020911**; **EP 1162036 B1 20090930**; AT E444142 T1 20091015; DE 10028012 A1 20011213; DE 50115127 D1 20091112; JP 2002030900 A 20020131; JP 4795566 B2 20111019

DOCDB simple family (application)  
**EP 01810509 A 20010523**; AT 01810509 T 20010523; DE 10028012 A 20000606; DE 50115127 T 20010523; JP 2001169645 A 20010605