

Title (en)  
Fastening tool

Title (de)  
Schraubgerät

Title (fr)  
Outil de vissage

Publication  
**EP 1170093 A3 20021127 (DE)**

Application  
**EP 01810620 A 20010626**

Priority  
DE 10032949 A 20000706

Abstract (en)  
[origin: EP1170093A2] A screwing appliance has a casing (1), a rotatable hollow spindle (3) in the casing with limited axial re locatable capability and a non-rotating screw-in spindle (5) opposite the hollow spindle also with limited axial re locatable capability that can be relocated in a screw-in direction by an impact material mass (15). A coupling (6) fits between a drive motor (2) and the rotatable hollow spindle.

IPC 1-7  
**B25B 21/02**

IPC 8 full level  
**B25B 21/00** (2006.01); **B25B 21/02** (2006.01)

CPC (source: EP KR US)  
**B25B 21/00** (2013.01 - KR); **B25B 21/023** (2013.01 - EP US)

Citation (search report)  
• [A] US 3550243 A 19701229 - ALLSOP ROBERT TREVOR  
• [DA] DE 1478914 A1 19691120 - GKN SCREWS FASTENERS LTD  
• [A] US 4370906 A 19830201 - GURRIES RAYMOND A  
• [A] GB 1187585 A 19700408 - GKN SCREWS FASTENERS LTD  
• [A] US 3584695 A 19710615 - TURNBULL JOHN HILTON

Cited by  
EP2104593A4; CN104797357A; AU2013322656B2; WO2008085465A2; US10406586B2; WO2014049035A1; WO2020160782A1

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 1170093 A2 20020109; EP 1170093 A3 20021127; EP 1170093 B1 20090311**; AT E424971 T1 20090315; DE 10032949 A1 20020117; DE 50114752 D1 20090423; ES 2320411 T3 20090522; JP 2002059372 A 20020226; JP 4785279 B2 20111005; KR 100719822 B1 20070518; KR 20020005412 A 20020117; MX PA01006629 A 20021023; TW 495420 B 20020721; US 2002002883 A1 20020110; US 6526852 B2 20030304

DOCDB simple family (application)  
**EP 01810620 A 20010626**; AT 01810620 T 20010626; DE 10032949 A 20000706; DE 50114752 T 20010626; ES 01810620 T 20010626; JP 2001206120 A 20010706; KR 20010029915 A 20010530; MX PA01006629 A 20010627; TW 90116185 A 20010702; US 89839101 A 20010703