

Title (en)  
Manually operated fastening device

Title (de)  
Handgeführtes Eintreibgerät

Title (fr)  
Dispositif d'enfoncement manuel

Publication  
**EP 2177321 B1 20110907 (DE)**

Application  
**EP 09171329 A 20090925**

Priority  
DE 102008042699 A 20081009

Abstract (en)  
[origin: EP2177321A1] The driver (10) has a driving tappet (14) movably mounted in a tappet guide. A tensioner has a tensioning element (76) provided with a profile. The tensioning element moves along a longitudinal axis of motion (A) using a rotatable counter-element engaged with the profile. Guide sections (78, 79) allow the tensioning element to swivel around longitudinal axis of the motion. A locking mechanism (50) is shifted into a release position by swiveling movement of the tensioning element. The tensioning element has a radially protruding guide element (81b) that interacts with the guide sections.

IPC 8 full level  
**B25C 1/06** (2006.01); **B25C 5/15** (2006.01)

CPC (source: EP US)  
**B25C 1/06** (2013.01 - EP US); **B25C 5/15** (2013.01 - EP US)

Cited by  
EP2397270A3; EP2397261A3; AT523156A4; AT523156B1; CN102284982A; EP2397265A3; EP2607022A3; EP2397271A3; CN104010742A; US9566700B2; US9731408B2; US8978953B2; US9061409B2; WO2011157776A3; WO2013091981A3; WO2013091983A3; EP2582490B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2177321 A1 20100421**; **EP 2177321 B1 20110907**; AT E523296 T1 20110915; CN 101716760 A 20100602; CN 101716760 B 20140205; DE 102008042699 A1 20100422; ES 2369334 T3 20111129; JP 2010089255 A 20100422; US 2010089963 A1 20100415; US 7992756 B2 20110809

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