

Title (en)
Electrically operated bolt setting device

Title (de)
Elektrisch betreibbares Bolzensetzgerät

Title (fr)
Outil électrique de fixation de boulons

Publication
EP 2465641 A2 20120620 (DE)

Application
EP 11189268 A 20111116

Priority
DE 102010063176 A 20101215

Abstract (en)
The device (1) has a spring device (10) provided as an intermediate storage to store energy derived from an electric drive (25), where the energy is abruptly delivered during stress action. The spring device cooperates with an intermediate storage energy adjusting device. The intermediate storage energy adjusting device is connected with the electric drive and/or inserted into the spring device by fastening elements i.e. bolts (3), or small energy. The intermediate storage energy adjusting device is connected with a manually actuated switching device (35). Independent claims are also included for the following: (1) a method for operating an electrically operated bolt setting device (2) a gas-operated bolt setting device comprising a combustion chamber (3) a pressurized air-operated bolt setting device comprising a storage chamber.

Abstract (de)
Die Erfindung betrifft ein elektrisch betreibbares Bolzensetzgerät (1) zum Setzen von Befestigungselementen (3), mit einer Federeinrichtung (10), die als Zwischenspeicher dient, um in dem Bolzensetzgerät (1) aus einem elektrischen Antrieb (25) stammende Energie zu speichern, die bei einem Setzvorgang schlagartig abgegeben werden kann. Um ein elektrisch betreibbares Bolzensetzgerät zu schaffen, das einfach aufgebaut sowie kostengünstig herstellbar und/oder betreibbar beziehungsweise in Betrieb nehmbar ist, wirkt die Federeinrichtung (10) mit einer Zwischenspeicherenergieverstelleinrichtung zusammen.

IPC 8 full level
B25C 1/06 (2006.01)

CPC (source: EP US)
B25C 1/06 (2013.01 - EP US)

Citation (applicant)
• DE 102006000517 A1 20080619 - HILTI AG [LI]
• WO 2007142997 A2 20071213 - STANLEY FASTENING SYS LP [US], et al
• DE 10319647 B3 20040902 - HILTI AG [LI]
• DE 102004044156 A1 20060316 - HILTI AG [LI]

Cited by
EP2923803A1; AT523156A4; AT523156B1; WO2021244788A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2465641 A2 20120620; EP 2465641 A3 20131030; EP 2465641 B1 20141217; AU 2011253999 A1 20120705; AU 2011253999 B2 20140828; CA 2760316 A1 20120615; CN 102528749 A 20120704; DE 102010063176 A1 20120621; ES 2527018 T3 20150119; JP 2012135867 A 20120719; JP 5898823 B2 20160406; TW 201231229 A 20120801; US 2012153001 A1 20120621

DOCDB simple family (application)
EP 11189268 A 20111116; AU 2011253999 A 20111213; CA 2760316 A 20111205; CN 201110412919 A 20111213; DE 102010063176 A 20101215; ES 11189268 T 20111116; JP 2011265487 A 20111205; TW 100142679 A 20111122; US 201113325377 A 20111214