

Title (en)
Electrically operated bolt setting device and method for operating the bolt setting device

Title (de)
Elektrisch betreibbares Bolzensetzgerät und Verfahren zum Betreiben des Bolzensetzgeräts

Title (fr)
Appareil de fixation de boulons pouvant fonctionner de manière électrique et procédé de fonctionnement d'un appareil de fixation de boulons

Publication
EP 2397260 A3 20150401 (DE)

Application
EP 11166651 A 20110519

Priority
DE 102010030055 A 20100615

Abstract (en)
[origin: EP2397260A2] The driver (1) has a monitoring and/or diagnostic device i.e. electronic controller (24), for monitoring a state of the driver. A set of switching and/or sensor devices monitors the state of the driver. An electrical drive motor (20) i.e. brushless direct current motor, delivers driving power for setting a bolt (9). The monitoring and/or diagnostic device is connected with the drive motor. The rotational speed of the drive motor is detected for operating the driver. The drive motor is switched off or reverses its direction during occurrence of an error. An independent claim is also included for a method for operating an electrically actuated bolt driver.

IPC 8 full level
B25C 1/00 (2006.01); **B25C 1/06** (2006.01)

CPC (source: EP KR US)
B25B 21/00 (2013.01 - KR); **B25B 23/00** (2013.01 - KR); **B25C 1/008** (2013.01 - EP US); **B25C 1/06** (2013.01 - EP KR US); **B25C 7/00** (2013.01 - KR); **B25F 5/00** (2013.01 - KR)

Citation (search report)

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- [XA] US 2008223894 A1 20080918 - CRUISE NATHAN [US], et al
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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 2397260 A2 20111221; EP 2397260 A3 20150401; EP 2397260 B1 20171213; AU 2011202764 A1 20120112; AU 2011202764 B2 20140501; CN 102284934 A 20111221; CN 102284934 B 20160921; DE 102010030055 A1 20111215; JP 2012000751 A 20120105; JP 5723686 B2 20150527; KR 101898287 B1 20180912; KR 20110136729 A 20111221; TW 201206646 A 20120216; TW I562866 B 20161221; US 2011303428 A1 20111215

DOCDB simple family (application)
EP 11166651 A 20110519; AU 2011202764 A 20110609; CN 201110158501 A 20110614; DE 102010030055 A 20100615; JP 2011131933 A 20110614; KR 20110056865 A 20110613; TW 100117369 A 20110518; US 201113157825 A 20110610