

Title (en)
Electrically operated bolt setting device

Title (de)
Elektrisch betreibbares Bolzensetzgerät

Title (fr)
Outil électrique de fixation de boulons

Publication
EP 2465641 A3 20131030 (DE)

Application
EP 11189268 A 20111116

Priority
DE 102010063176 A 20101215

Abstract (en)
[origin: EP2465641A2] 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.

IPC 8 full level
B25C 1/06 (2006.01)

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

Citation (search report)

- [XY] DE 8807770 U1 19880818
- [XY] US 4215808 A 19800805 - SOLLBERGER ROGER W [US], et al
- [XY] US 2009057368 A1 20090305 - LIN WEN-PIN [TW]
- [X] US 2008190986 A1 20080814 - CHANG CHIN-HSIUNG [TW], et al
- [YA] WO 0216085 A1 20020228 - BARBER JOHN P [US], et al
- [Y] US 6695192 B1 20040224 - KWOK KUI-CHIU [US]

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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