

Title (en)

Screw tool and method of controlling the tightening angle on screw connections

Title (de)

Schraubwerkzeug und Verfahren zur Steuerung des Anzugswinkels von Verschraubungen

Title (fr)

Outil de vissage et procédé de commande de l'angle d'attraction de boulonnages

Publication

**EP 2067576 A3 20120711 (DE)**

Application

**EP 08020596 A 20081127**

Priority

DE 102007059929 A 20071204

Abstract (en)

[origin: EP2067576A2] The method involves monitoring torque of a screwed joint (12) until a predefined threshold value is reached, and measuring angle (gamma) of relative rotation from a point, where the threshold value has reached. Rotation of a hand-held screwing tool (10) is measured relative to the joint from the point, where the threshold value has reached. An electric tool is switched off when predetermined angle of rotation is reached in accordance to the relative angle of rotation of the screwing tool relative to the screwed joint as a corrective value. An independent claim is also included for a hand-held screwing tool comprising a cut-off mechanism.

IPC 8 full level

**B25B 21/00** (2006.01); **B25B 23/14** (2006.01)

CPC (source: EP US)

**B25B 21/00** (2013.01 - EP US); **B25B 23/14** (2013.01 - EP US)

Citation (search report)

- [X] DE 4343110 A1 19940623 - DAIMLER BENZ AG [DE]
- [A] DE 4243317 A1 19930609

Cited by

EP2401987A1; CN102834225A; WO2018167008A1; US8375555B2; WO2015139952A1; WO2011120579A1; WO2021184751A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2067576 A2 20090610**; **EP 2067576 A3 20120711**; CN 101450476 A 20090610; DE 102007059929 A1 20090610; US 2009139738 A1 20090604

DOCDB simple family (application)

**EP 08020596 A 20081127**; CN 200810178870 A 20081204; DE 102007059929 A 20071204; US 32808408 A 20081204