

Title (en)

Actuating tool with an angle measuring device for the tightening of threaded parts

Title (de)

Betätigungswerkzeug zum Anziehen von Schraubverbindungsteilen mit einer Winkelmesseinrichtung

Title (fr)

Outil de manoeuvre avec dispositif de mesure d'angles pour le serrage d'écrous

Publication

**EP 0849049 B1 20030604 (DE)**

Application

**EP 97121580 A 19971208**

Priority

DE 29622317 U 19961221

Abstract (en)

[origin: EP0849049A1] The operating tool (12) has an angle measuring unit, with an axis of rotation lying coaxial to the rotational axis of the operating tool, being connected with the lever arm of the operating tool, without a direct coupling with the screw connection part to be tightened up. The lever arm is coupled with the angle measuring unit, directly across a follower coupling. The angle measuring is applied at its lever arm, eccentrically to the axis of rotation of the operating tool. The operating tool has a follower head, located rotationally at the lever arm, engaging at the screw connection part. Also there is a tightening coupling (10), between the lever arm and the follower head, following only on a following rotational direction. The tightening coupling is arranged between the lever arm and the follower head. The follower coupling (28), between the lever arm and the angle measuring unit, is also a coupling which only moves in the follower direction of rotation.

IPC 1-7

**B25B 23/142**

IPC 8 full level

**B25B 23/142** (2006.01)

CPC (source: EP)

**B25B 23/1422** (2013.01); **B25B 23/1427** (2013.01)

Cited by

CN111941379A; EP4116038A1; US11874190B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**DE 29622317 U1 19971127**; DE 59710216 D1 20030710; EP 0849049 A1 19980624; EP 0849049 B1 20030604; ES 2201241 T3 20040316

DOCDB simple family (application)

**DE 29622317 U 19961221**; DE 59710216 T 19971208; EP 97121580 A 19971208; ES 97121580 T 19971208