

Title (en)

Controlled wrench

Title (de)

Gesteuerter Schraubenschlüssel

Title (fr)

Clé à serrage contrôlé

Publication

EP 1462220 B1 20060104 (FR)

Application

EP 04290603 A 20040305

Priority

FR 0303695 A 20030326

Abstract (en)

[origin: EP1462220A1] The wrench has a microprocessor (1) to calculate an instantaneous traction effort on a nut based on instantaneous values of applied coupling and angle of rotation measured by two sensors (2, 3), and recorded nut characteristics. A software unit in the microprocessor finds the traction effort based on detection of a transition from an elastic range to a plastic range, during the nut tightening.

IPC 8 full level

B25B 23/14 (2006.01); **B25B 23/144** (2006.01)

CPC (source: EP US)

B25B 23/14 (2013.01 - EP US)

Cited by

FR3002471A1; RU2660548C2; EP3147081A1; FR3041719A1; US10365122B2; US9938856B2; WO2014131989A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1462220 A1 20040929; EP 1462220 B1 20060104; AT E314905 T1 20060215; DE 602004000304 D1 20060330; DE 602004000304 T2 20060921; ES 2255038 T3 20060616; FR 2852879 A1 20041001; FR 2852879 B1 20070406; US 2004187652 A1 20040930; US 7036407 B2 20060502

DOCDB simple family (application)

EP 04290603 A 20040305; AT 04290603 T 20040305; DE 602004000304 T 20040305; ES 04290603 T 20040305; FR 0303695 A 20030326; US 80600304 A 20040322