

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)

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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

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