

Title (en)  
Torque wrench

Title (de)  
Drehmomentschlüssel

Title (fr)  
Clé dynamométrique

Publication  
**EP 0723839 B1 20000126 (DE)**

Application  
**EP 95118584 A 19951125**

Priority  
DE 29501355 U 19950128

Abstract (en)  
[origin: EP0723839A1] The torque wrench has a first shaft (4) with a handle on its outer end, a second shaft (5) rigidly attached to the tool head (1), a pivot bolt (6) linking the shafts with its axis perpendicular to the tightening direction, a spring-loaded locking element and an evaluation unit. The locking element, which is mounted between shaft holders (9,11), locks the shafts together below a defined torque level and releases them above it to enable limited relative movement. A measurement element (20) measures the material stresses acting on one shaft. The evaluation unit converts the measurement value into a torque which is displayed (18) with the defined torque value.

IPC 1-7  
**B25B 23/143**

IPC 8 full level  
**B25B 23/142** (2006.01); **B25B 23/143** (2006.01)

CPC (source: EP)  
**B25B 23/1425** (2013.01); **B25B 23/1427** (2013.01)

Cited by  
CN109421016A; CN112556922A; EP3587036A4; CN105022336A; US10994394B2

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**DE 29501355 U1 19950302**; DE 59507696 D1 20000302; EP 0723839 A1 19960731; EP 0723839 B1 20000126

DOCDB simple family (application)  
**DE 29501355 U 19950128**; DE 59507696 T 19951125; EP 95118584 A 19951125