

Title (en)
Torque wrench

Title (de)
Drehmomentschlüssel

Title (fr)
Clé dynamométrique

Publication
EP 0845331 B1 20020130 (FR)

Application
EP 97402759 A 19971117

Priority
FR 9614547 A 19961127

Abstract (en)
[origin: EP0845331A1] The wrench consists of an elongated outer housing (2) in which the wrench head (1) turns on a pivot (12) and an axially-moving pusher (3) is pressed towards the head by a graduated spring (4). It has a first roller (22) designed to reduce friction between the pusher and the housing and interacting with a flat track (16) inside the housing, and a transmission coupling (13) between the head and pusher. The roller is cylindrical in shape and interacts with a second flat track (20) on the outer surface of the pusher. One of the two tracks has sides which interact with the ends of the roller, while the other one is wider. At the other end of the pusher and on the opposite side there is a second contact member e.g. in the form of a second roller (23) and track (17) similar to the first.

IPC 1-7
B25B 23/142

IPC 8 full level
B25B 13/02 (2006.01); **B25B 23/142** (2006.01)

CPC (source: EP US)
B25B 23/1427 (2013.01 - EP US)

Cited by
CN105437135A; DE10305175B4; TWI680034B

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 0845331 A1 19980603; EP 0845331 B1 20020130; AU 4534697 A 19980604; DE 69710162 D1 20020314; DE 69710162 T2 20021010; FR 2756203 A1 19980529; FR 2756203 B1 19990212; JP H10193274 A 19980728; US 5911801 A 19990615

DOCDB simple family (application)
EP 97402759 A 19971117; AU 4534697 A 19971121; DE 69710162 T 19971117; FR 9614547 A 19961127; JP 32621497 A 19971127; US 97848597 A 19971125