

Title (en)
RATCHET WRENCH FOR DRIVING SCREWS

Publication
EP 0133557 B1 19880107 (DE)

Application
EP 84109231 A 19840803

Priority
DE 3328673 A 19830809

Abstract (en)
[origin: US4608872A] The hand-operated ratchet spanner contains a measuring value pick-up (4,9) for the angle of rotation of the screw and a device for measuring the torque. The measured values are supplied to a microprocessor (22) in which the screw tightening operation is preprogrammed by respective desired or limit values. Signal lamps (30,31,32) or acoustic signal transmitters (33) indicate to the user as to whether the screw has been correctly tightened. Further, he may recognize the extent to which the screw has been tightened and which part of the tightening operation must be still effected.

IPC 1-7
B25B 23/144

IPC 8 full level
B25B 23/142 (2006.01); **B25B 23/144** (2006.01)

CPC (source: EP US)
B25B 23/1425 (2013.01 - EP US)

Cited by
EP0620511A1; DE102004047232A1; US5388478A; EP0372247A3; EP0652080A1; US5493913A; US4791839A; CN104260027A; US5890406A; CN110715636A; DE29615123U1; EP0490376A1; US5303601A; DE4235954A1; FR2683039A1; WO9306969A3; US6167788B1; WO9810901A1

Designated contracting state (EPC)
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