

Title (en)

Wrench equipped with a precise torque-measuring device

Title (de)

Schlüssel mit einer präzisen Drehmomentmessvorrichtung

Title (fr)

Clé à vis équipée d'un dispositif de mesure de couple précise

Publication

EP 2425934 B1 20130605 (EN)

Application

EP 10175254 A 20100903

Priority

EP 10175254 A 20100903

Abstract (en)

[origin: EP2425934A1] A wrench (10) includes a shank (11) including a slot (14) defined therein longitudinally, a handle (13) attached to an end of the shank (11), a head (12), a torque assembly (20) for connecting the head (12) to another end of the shank (11), a torque-setting device (30) and a torque-measuring device (50). The torque-setting device (30) includes a knob inserted in the handle (13) and a pin (32) movable in and along the slot (14) as the knob is spun. The torque-measuring device (50) includes a measurement sleeve (60) and a collar (80). The measurement sleeve (60) is rotationally located around the shank (11) and includes a helical groove (61) defined in an internal side and a scale provided on an external side. A portion of the pin (32) is movably inserted in the helical groove (61) so that the measurement sleeve (60) is spun as the pin (32) is moved in and along the slot (14). The collar (80) is located around the shank (11) and includes a window (51) through which the scale (64) is observable.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN111037498A; DE102016108156A1

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