

Title (en)  
PRESSURE-OPERATED POWER SCREWDRIVER HAVING A MEASURING SECTION

Title (de)  
DRUCKBETRIEBENER KRAFTSCHRAUBER MIT MESSABSCHNITT

Title (fr)  
VISSEUSE FONCTIONNANT SOUS PRESSION ET POURVUE D'UNE SECTION DE MESURE

Publication  
**EP 1404491 A1 20040407 (DE)**

Application  
**EP 02754816 A 20020703**

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• EP 0207357 W 20020703

Abstract (en)  
[origin: US2004187650A1] The power screwdriver comprises a functional part (11) with a housing (14) through which a shaft (17) passes. The shaft (17) is provided with a tothing (18), into which a ratchet lever of the functional part (11) engages. A splined shaft tothing (20) of the shaft (17) has an insertion recess (21) that changes into a cavity (22). The wall of the cavity (22) is provided with a torsion sensor (23) and forms a measuring section (25) that is located in the area of the shaft (17) covered by the housing (14). A torsion measurement is effected in the measuring section (25). Due to the measuring section (25) being located in the area of the shaft covered by the housing (14), the shaft (17) is relatively short whereby it may be used under tight spatial screwing conditions involving a low head height above the screw. The power wrench is additionally provided with an angle measuring device (33) whereby torque and angle of rotation can be simultaneously provided and can be used for controlling and recording.

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IPC 8 full level  
**B25B 21/00** (2006.01); **B25B 23/14** (2006.01)

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