

Title (en)
External-coupled electronic angle measurement apparatus

Title (de)
Externgekoppelte elektronische Winkelmessvorrichtung

Title (fr)
Appareil de mesure d'angle électronique couplé de manière externe

Publication
EP 2394792 A1 20111214 (EN)

Application
EP 10165326 A 20100609

Priority
EP 10165326 A 20100609

Abstract (en)
The present invention proposes an external-coupled electronic angle measurement apparatus installed on a hand tool (10) including a housing (20), a display element (30), an angle detection system (40) and a coupling portion (50). The housing (20) is movable through the coupling portion (50) to fasten the external-coupled electronic angle measurement apparatus to a desired location of the driving head (12), driving bar (11), sleeve coupling head (13) or hand tool (10) to accurately measure turning angles of a screw driven by the hand tool (10) through the angle detection system (40) and display the result on the display element (30).

IPC 8 full level
B25B 23/142 (2006.01); **G01B 5/24** (2006.01); **G01B 7/30** (2006.01)

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

Citation (applicant)
US 5589644 A 19961231 - BECKER THOMAS P [US], et al

Citation (search report)
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• [X] DE 202007002793 U1 20070510 - WILLE GMBH & CO KG EDUARD [DE]
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Citation (examination)
US 6244778 B1 20010612 - CHESBROUGH RICHARD M [US]

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BA ME RS

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