Title (en)

MACHINE POWER TEST IN ANGULAR INCREMENTS

Title (de)

MASCHINENFÄHIGKEITSUNTERSUCHUNG IN WINKELSCHRITTEN

Title (fr)

EXAMEN DE LA CAPACITE D'UNE MACHINE PAR PAS ANGULAIRES

Publication

EP 1861688 A1 20071205 (DE)

Application

EP 06707617 A 20060321

Priority

• EP 2006002567 W 20060321
• DE 102005013786 A 20050324

Abstract (en)

[origin: WO2006100032A1] In order to test screwing devices (20) with a rotating unit (21) and with a first torque sensor (23), a testing unit (2) with a counter-torque generating device (3) and with a second torque sensor (5) is provided, this test unit being able to be brought into contact with the rotating unit (21) of a screwing device (20) in an starting rotation position of the rotating unit (21). A control unit (22) controls a rotation of the rotating unit (21) brought into contact with the testing unit until the first torque sensor (23) reaches a predetermined set torque. The second torque sensor (5) measures an actual torque caused by the rotation of the rotating unit (21), and a comparison unit (6) compares the predetermined set torque of the screwing device (20) with the actual torque measured by the second torque sensor (5). The control unit (22) is designed for rotating the rotating unit (21) back beyond the starting rotating position about a predetermined angle into another starting rotation position. The functional components located inside the screwing device are brought together in a defined position different from the position in which they stood together during the testing of the first operating point of the screwing device. This enables an effective and reliable testing of the screwing device.

IPC 8 full level

G01L 25/00 (2006.01); **G01M 99/00** (2011.01)

CPC (source: EP)

G01L 25/003 (2013.01)

Citation (search report)

See references of WO 2006100032A1

Citation (examination)

US 4517821 A 19850521 - TAGGART KENNETH J [US], et al

Designated contracting state (EPC)

AT DE FR GB SE

DOCDB simple family (publication)

WO 2006100032 A1 20060928; DE 102005013786 A1 20061012; DE 102005013786 B4 20080828; EP 1861688 A1 20071205

DOCDB simple family (application)

EP 2006002567 W 20060321; DE 102005013786 A 20050324; EP 06707617 A 20060321