Title (en)

DIGITAL CALLIPERS

Title (de)

DIGITALE TASTERZIRKEL

Title (fr)

PIEDS A COULISSE NUMERIQUES

Publication

EP 1279001 A4 20030910 (EN)

Application

EP 01914467 A 20010226

Priority

- US 0105905 W 20010226
- US 18478600 P 20000224

Abstract (en)

[origin: WO0165202A1] Described is a calliper for measuring a size of an object and a force applied to the object to measure the size wherein the calliper comprises a scale support (2) comprising a fixed measuring finger (14). A movable mount (1) is slidably attached to the scale support wherein the movable mount comprises a second measuring finger (16) wherein the size is a distance between the fixed measuring finger and the second measuring finger when the fixed measuring finger and the second measuring finger contact the object. A detector (25), attached to the movable mount is capable of determining the distance between the second measuring finger and the fixed measuring finger. A force arm (10) is slidably attached to the movable mount and a sensor (11) attached to both the force arm and the movable mount such that the sensor detects a force applied to the force arm. A processor (55) is provided which is capable of receiving the distance and converting the distance to a displayable size element and capable of receiving the force and converting the force to a displayable force element. The displayable size element and displayable force element are displayed.

IPC 1-7

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IPC 8 full level

G01B 3/20 (2006.01)

CPC (source: EP)

G01B 3/205 (2013.01)

Citation (search report)

- [XY] DE 3644980 A1 19880707 - PAV PRAEZISIONS APPARATEBAU AG [LI]
- [Y] US 4586260 A 19860506 - BAXTER LARRY K [US], et al
- [Y] US 2855684 A 19581014 - WELSTEAD CHARLES H
- [YA] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06 30 June 1997 (1997-06-30)
- See references of WO 0165202A1

Cited by

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