

Title (en)

DYNAMOMETER FOR MEASURING AND DISPLAYING AXIAL FORCES APPLIED TO A BELT

Title (de)

KRAFTMESSER ZUR MESSUNG UND ANZEIGE DER AXIALKRÄFTE IN EINEM GURT

Title (fr)

DYNAMOMETRE ASSURANT LA MESURE ET L AFFICHAGE D EFFORTS AXIAUX APPLIQUES A UNE SANGLE

Publication

**EP 1561092 A1 20050810 (FR)**

Application

**EP 03780225 A 20031015**

Priority

- FR 0303029 W 20031015
- FR 0212798 A 20021015

Abstract (en)

[origin: FR2845769A1] Dynamometer has a body (7) with three supports (8-10), in the form of a triangle, for a link (11). A force sensor is integral with the second support (9). The link is initially taut and rectilinear and as it passes over the first two supports imparts a rotation to the dynamometer body via a lever. The imparted rotation forces the third support against the link, exercising a couple permitting determination of the reaction force (f) that is proportional to the axial force applied to the link.

IPC 1-7

**G01L 5/10**

IPC 8 full level

**G01L 5/10** (2006.01)

CPC (source: EP)

**G01L 5/102** (2013.01); **G01L 5/107** (2013.01)

Citation (search report)

See references of WO 2004036168A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2845769 A1 20040416; FR 2845769 B1 20051028**; AU 2003288324 A1 20040504; EP 1561092 A1 20050810; WO 2004036168 A1 20040429

DOCDB simple family (application)

**FR 0212798 A 20021015**; AU 2003288324 A 20031015; EP 03780225 A 20031015; FR 0303029 W 20031015