

Title (en)
TENSOMETER

Title (de)
TENSIOMETER

Title (fr)
TENSIOMETRE

Publication
EP 1604180 A1 20051214 (DE)

Application
EP 03782351 A 20031209

Priority
• EP 0313961 W 20031209
• DE 10259727 A 20021219

Abstract (en)
[origin: WO2004057289A1] The invention relates to a tensometer (T) for measuring the tension of filiform materials. The inventive tensometer comprises a thread arm (D) connected to an incorporated torsion element (F) and an optoelectronic detection device (A) for a large scale measurement of the torsion of the torsion element (F) on an optical trajectory with the aid of a light position sensor (P) when the threads are tightened.

IPC 1-7
G01L 5/04

IPC 8 full level
B65H 63/032 (2006.01); **D01H 13/16** (2006.01); **G01D 5/36** (2006.01); **G01L 5/04** (2006.01); **G01L 5/10** (2006.01)

CPC (source: EP)
G01L 5/105 (2013.01)

Citation (search report)
See references of WO 2004057289A1

Citation (examination)
• DE 3813707 A1 19881117 - ELITEX ZAVODY TEXTILNIHO [CS]
• DD 279062 A1 19900523 - VERLADE TRANSPORTANLAGEN [DD]

Designated contracting state (EPC)
DE IT

DOCDB simple family (publication)
WO 2004057289 A1 20040708; AU 2003289999 A1 20040714; CN 100465603 C 20090304; CN 1729391 A 20060201;
DE 10259727 A1 20040708; EP 1604180 A1 20051214

DOCDB simple family (application)
EP 0313961 W 20031209; AU 2003289999 A 20031209; CN 200380107022 A 20031209; DE 10259727 A 20021219; EP 03782351 A 20031209