

Title (en)

METHOD FOR MONITORING AND CONTROLLING STRESS IN A THREADED MEMBER

Title (de)

VERFAHREN ZUR KONTROLLE UND STEUERUNG VON DER SPANNUNG IN GEWINDEBOLZEN

Title (fr)

PROCEDE POUR LE CONTROLE ET L'ASSERVISSEMENT DE LA TENSION D'UN ORGANE FILETE

Publication

EP 0674566 B1 19971001 (FR)

Application

EP 93902338 A 19921216

Priority

- FR 9201192 W 19921216
- FR 9108254 A 19910614

Abstract (en)

[origin: FR2677571A1] The tensile or compressive force (Ft) of the threaded member (18) is determined by the action of subtracting a torque applied upon unscrewing from a torque applied upon screwing, and by dividing this torque difference by a coefficient which is proportional to the pitch of the screw thread (19) of the said member. The recording of the torque values is carried out either statically at the limit of rest in screwing and unscrewing, or dynamically at a series of positions which correspond in screwing and in unscrewing. The method applies particularly to the measurement, monitoring and slaving of the tension of threaded fastening elements used in screwed assemblies. <IMAGE>

IPC 1-7

B25B 23/14

IPC 8 full level

B25B 23/14 (2006.01)

CPC (source: EP US)

B25B 23/14 (2013.01 - EP US)

Designated contracting state (EPC)

BE DE DK ES GB IT NL PT SE

DOCDB simple family (publication)

FR 2677571 A1 19921218; FR 2677571 B1 19950804; DE 69222543 D1 19971106; DE 69222543 T2 19980423; DK 0674566 T3 19980504; EP 0674566 A1 19951004; EP 0674566 B1 19971001; ES 2109475 T3 19980116; US 5571971 A 19961105; WO 9413437 A1 19940623

DOCDB simple family (application)

FR 9108254 A 19910614; DE 69222543 T 19921216; DK 93902338 T 19921216; EP 93902338 A 19921216; ES 93902338 T 19921216; FR 9201192 W 19921216; US 48143095 A 19950615