

Title (en)  
METHOD FOR CONTROLLING A SCREWING SPINDLE

Title (de)  
REGELUNGSVERFAHREN FÜR EINE SCHRAUBSPINDEL

Title (fr)  
PROCEDE DE COMMANDE D'UNE BROCHE DE VISSAGE

Publication  
**EP 1032536 B1 20020130 (FR)**

Application  
**EP 98956938 A 19981103**

Priority  
• FR 9802346 W 19981103  
• FR 9714364 A 19971117

Abstract (en)  
[origin: FR2771040A1] The method includes a stage for feeding the screwing spindle in nominal conditions of pressure and flow to generate the required couple. The method includes a preliminary stage prior to that in which the screwing spindle is fed in conditions less than nominal, in a proportion sufficient so that the shaft (5) has a rotational speed which generates a kinetic energy which produces a couple less than the required clamping couple. An hydraulic motor has a part (18) connected to a shaft (5) of the screwing spindle to rotate it. The method includes a stage for feeding the screwing spindle in nominal conditions of pressure and flow to generate the required couple. The method includes a preliminary stage in which the screwing spindle is fed in conditions less than nominal, in a proportion sufficient so that the shaft has a rotational speed, which generates a kinetic energy, producing a couple less than the required clamping couple. The motor piston is submitted to an average differential pressure less than the differential clamping pressure. In this preliminary stage a face of the piston is submitted to a constant pressure in the clamping sense. This constant pressure is less than the differential clamping pressure.

IPC 1-7  
**B67B 3/20**

IPC 8 full level  
**B67B 3/20** (2006.01)

CPC (source: EP US)  
**B67B 3/2073** (2013.01 - EP US)

Cited by  
US8450110B2

Designated contracting state (EPC)  
BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**FR 2771040 A1 19990521; FR 2771040 B1 20000107**; BR 9814206 A 20001003; CN 1105676 C 20030416; CN 1278777 A 20010103; DE 69803699 D1 20020314; DE 69803699 T2 20021017; DK 1032536 T3 20020513; EP 1032536 A1 20000906; EP 1032536 B1 20020130; ES 2171049 T3 20020816; JP 2001523626 A 20011127; PT 1032536 E 20020731; US 6263742 B1 20010724; WO 9925638 A1 19990527

DOCDB simple family (application)  
**FR 9714364 A 19971117**; BR 9814206 A 19981103; CN 98811168 A 19981103; DE 69803699 T 19981103; DK 98956938 T 19981103; EP 98956938 A 19981103; ES 98956938 T 19981103; FR 9802346 W 19981103; JP 2000521032 A 19981103; PT 98956938 T 19981103; US 19242898 A 19981116