

Title (en)  
SEALING THREADED PAIRING

Title (de)  
DICHTENDE GEWINDEPAARUNG

Title (fr)  
APPARIEMENT FILETE ASSURANT UNE ETANCHEITE

Publication  
**EP 1034380 A1 20000913 (DE)**

Application  
**EP 98938592 A 19980616**

Priority  
• DE 9801706 W 19980616  
• DE 29721200 U 19971129

Abstract (en)  
[origin: US6276884B1] The invention relates to a threaded pairing, consisting of the assigned threaded parts, for the transmission of axial forces, where the screw thread (5) is filled with the sealing compound (6). The task is to create an axially positionable threaded pairing capable of being turned, a joint which at the same time is sufficiently rigid (by means of frictionally connected flanks) and leak-proof (by filling the positively fitting screw thread with sealing compound (6)). This task is successfully completed by at least one threaded part (1) consisting, in terms of the length of its axial thread (7), of a cylindrical flanked basic body (8) and a non-cylindrical flanked basic body (9), being screwed together with the assigned threaded part (2) in the axial length section of the non-cylindrical flanked body (9) and thus forming a line-like contact between the opposing flanks (4) at the point of maximal radial difference against the flanked basic body of the assigned threaded part (2) which is under radial tension of the flanks (4). This radial tension ensures that the threaded parts are fixed over a stop-free adjustment area (10) and that both sides of the flanks (4) are embedded into the sealing compound (6) through flank clearance (11).

IPC 1-7  
**F16B 39/22**

IPC 8 full level  
**F15B 15/14** (2006.01); **F16L 15/04** (2006.01); **F16B 39/22** (2006.01); **F16J 15/14** (2006.01); **F16L 15/06** (2006.01)

CPC (source: EP US)  
**F15B 15/14** (2013.01 - EP US)

Designated contracting state (EPC)  
AT DE FR GB IT NL

DOCDB simple family (publication)  
**US 6276884 B1 20010821**; AT E208013 T1 20011115; CA 2299384 A1 19990610; CA 2299384 C 20040727; CN 1125924 C 20031029; CN 1257568 A 20000621; CZ 2000359 A3 20010516; CZ 295022 B6 20050518; DE 29721200 U1 19980122; DE 59801999 D1 20011206; EP 1034380 A1 20000913; EP 1034380 B1 20011031; HU 222220 B1 20030528; HU P0101363 A2 20010828; HU P0101363 A3 20010928; JP 2001506358 A 20010515; JP 3321775 B2 20020909; PL 190596 B1 20051230; PL 338012 A1 20000925; RU 2201551 C2 20030327; WO 9928637 A1 19990610

DOCDB simple family (application)  
**US 42455399 A 19991124**; AT 98938592 T 19980616; CA 2299384 A 19980616; CN 98805427 A 19980616; CZ 2000359 A 19980616; DE 29721200 U 19971129; DE 59801999 T 19980616; DE 9801706 W 19980616; EP 98938592 A 19980616; HU P0101363 A 19980616; JP 52960199 A 19980616; PL 33801298 A 19980616; RU 2000116764 A 19980616