

Title (en)

SNAP ACTION DEVICE FOR TUBES OR CASINGS, ESPECIALLY FOR OFFSHORE DRILLING

Publication

EP 0100259 B1 19861112 (FR)

Application

EP 83401399 A 19830707

Priority

- FR 8211939 A 19820707
- FR 8213381 A 19820730

Abstract (en)

[origin: EP0100259A1] The connector consists of a tube ending in a conical female pipe socket (1) contg. n helical grooves, e.g. four grooves. A second tube ends in a male spigot (2) contg. n complementary grooves, e.g. four grooves. In a radial view, each groove summit is displaced radially w.r.t. the adjacent grooves by a dimension (a) which is at least equal to the fraction 1/n of the variation (VR) of the radius of one step of the helix on the conical surface contg. the grooves. In one pref. design, a connector tube ends in two male conical screw threads, and is used to join two pipes which each have a female socket contg. a conical screw thread. The connector may also be used on anchoring piles.

IPC 1-7

E21B 17/042; **E21B 17/08**; **E21B 19/16**; **F16L 15/00**

IPC 8 full level

F16L 15/00 (2006.01); **E21B 17/043** (2006.01); **E21B 17/08** (2006.01); **E21B 19/16** (2006.01); **F16L 15/06** (2006.01); **F16L 15/08** (2006.01); **E21B 17/042** (2006.01)

CPC (source: EP KR US)

E21B 17/04 (2013.01 - EP KR US); **E21B 17/042** (2013.01 - EP); **E21B 17/043** (2013.01 - EP); **E21B 17/08** (2013.01 - KR); **E21B 19/16** (2013.01 - EP); **E21B 19/163** (2013.01 - EP); **E21B 17/085** (2013.01 - EP KR US)

Citation (examination)

US 2885225 A 19590505 - MOAK ROLLINS HENRY

Cited by

FR2749369A1; FR2567616A1; CN102733763A; EP0321381A1; RU2757481C1; GB2220716A; GB2220716B; DE3513347C1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0100259 A1 19840208; **EP 0100259 B1 19861112**; AU 1661483 A 19840209; AU 560764 B2 19870416; BR 8303617 A 19840214; CA 1207657 A 19860715; DE 3367649 D1 19870102; DK 312983 A 19840108; DK 312983 D0 19830706; ES 523882 A0 19840401; ES 8403594 A1 19840401; JP S5923180 A 19840206; KR 840005516 A 19841114; NO 161987 B 19890710; NO 161987 C 19891018; NO 832449 L 19840109; OA 07484 A 19841231

DOCDB simple family (application)

EP 83401399 A 19830707; AU 1661483 A 19830706; BR 8303617 A 19830706; CA 431954 A 19830706; DE 3367649 T 19830707; DK 312983 A 19830706; ES 523882 A 19830705; JP 12244283 A 19830707; KR 830003104 A 19830707; NO 832449 A 19830705; OA 58051 A 19830706