

Title (en)

Snap action device for tubes or casings, especially for offshore drilling.

Title (de)

Verbindungsvorrichtung für Futter- oder Steigrohre, insbesondere zum Unterwasserbohren.

Title (fr)

Dispositif de raccordement rapide de tubes et de cuvelages, notamment pour forage en mer.

Publication

EP 0100259 A1 19840208 (FR)

Application

EP 83401399 A 19830707

Priority

- FR 8211939 A 19820707
- FR 8213381 A 19820730

Abstract (en)

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.

Abstract (fr)

L'invention concerne un raccord constitué par deux pièces (1) femelle et (2) mâle pourvues d'un filetage conique à n filets (4 ici) (3, 4, 5, 6 et 3', 4', 5', 6') décalés radialement dans un plan axial d'une valeur $a = (1/n)VR$, VR étant la variation du rayon de la surface conique portant les filets sur un pas de ces derniers. Application à l'industrie pétrolière.

IPC 1-7

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CPC (source: EP KR US)

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Citation (search report)

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