

Title (en)
A HANG-OFF SYSTEM AND A HANG-OFF STRUCTURE

Title (de)
SCHLEPPSEILSYSTEM UND SCHLEPPSEILSTRUKTUR

Title (fr)
SYSTÈME DE MISE EN PENDANT ET STRUCTURE DE PENDANT

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Abstract (en)
[origin: WO2011076210A1] The invention relates to a hang-off system for a offshore structure, e.g. for transporting hydrocarbons from a well at seabed (1) to a vessel (3) at sea surface. The hang-off system comprises a floating, moored weathervaning vessel (3) with a turret (11) with a hang-off structure (8). The hang-off system (8) further comprises at least one flexible transporting unit (2) hanging from the hang-off structure (8). The turret (11) comprises a bearing and swivel system (5,9) connected to or integrated with the hang-off structure (11). The bearing and swivel system (5,9) comprises a centre axis (4), the flexible transporting unit (2) hangs-off from a hang-off connecting point (7) to a subsea connection point (1) in a structural relation such that a vector extending from the subsea connecting point (1) to the hang-off connection point (7) has a vertical and a horizontal component, and the horizontal component is perpendicular to a hang-off vertical plane extending through the centre axis of the bearing and swivel system. The hang-off vertical plane separates the hang-off structure (8) in a flexible transporting unit (2) heading part and an opposite part. The flexible transporting unit (2) heading part is horizontally closer to the subsea connection point (1) than the opposite part. The hang-off connecting point (7) is arranged in the opposite part of the hang-off structure (8). The hang-off system of the invention results in a reduced risk of subjecting the flexible transporting unit(s) (2) to high wear, to bending with damaging curvature and/or to over stretching of the flexible transporting unit (2).

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