

Title (en)

A TRIGGERING MECHANISM FOR DISCONNECTING A RISER FROM A RISER CONNECTOR

Title (de)

AUSLÖSEMECHANISMUS ZUM TRENNEN EINES STEIGROHRS VON EINEM STEIGROHRVERBINDER

Title (fr)

MECANISME DE DECLENCHEMENT PERMETTANT DE DECONNECTER UNE COLONNE MONTANTE D'UN RACCORD DE COLONNE MONTANTE

Publication

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Application

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Abstract (en)

[origin: WO03064809A1] The invention relates to a triggering mechanism for a triggering valve (1) of a hydraulic emergency unlock circuit for unlocking hydraulically operated gripping members of a riser connector which connects a lower end of a riser (2) to a wellhead on a sea floor. The triggering mechanism comprises a cam ring (5) secured to a displaceable part (4) of a flex joint for the riser (2), and an actuator ring (8) which by means of hydraulic cylinders are translatable movable towards a stationary part (3) of the flex joint. An angular displacement (α) of the riser (2) causes an angular displacement (α) of the cam ring (5), which contacts the actuator ring (8) and forces the actuator ring (8) towards the stationary part (3) of the flex joint, causing an activating of a trigger (13) for the triggering valve (1).

[origin: WO03064809A1] The invention relates to a triggering mechanism for a triggering valve 1 of a hydraulic emergency unlock circuit for unlocking hydraulically operated gripping members of a riser connector which connects a lower end of a riser 2 to a wellhead on a sea floor. The triggering mechanism comprises a cam ring 5 secured to a displaceable part 4 of a flex joint for the riser 2, and an actuator ring 8 which by means of hydraulic cylinders are translatable movable towards a stationary part 3 of the flex joint. An angular displacement α of the riser 2 causes an angular displacement α of the cam ring 5, which contacts the actuator ring 8 and forces the actuator ring 8 towards the stationary part 3 of the flex joint, causing an activating of a trigger 13 for the triggering valve 1.

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