

Title (en)

DEVICE FOR TRANSMITTING A HYDRAULIC WORKING PRESSURE IN A FLUID FOR ACTUATING HYDRAULIC DEVICES IN DEEP SEAWATER

Title (de)

VORRICHTUNG ZUM ÜBERTRAGEN EINES HYDRAULISCHEN ARBEITSDRUCKES IN EINER DRUCKFLÜSSIGKEIT ZUR DRUCKBETÄTIGUNG HYDRAULISCHER EINRICHTUNGEN VON TIEFSEEEANLAGEN

Title (fr)

DISPOSITIF POUR TRANSMETTRE, PAR UN FLUIDE, UNE PRESSION HYDRAULIQUE DE TRAVAIL POUR ACTIONNER UN DISPOSITIF HYDRAULIQUE EN EAU PROFONDE

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Application

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Abstract (en)

[origin: WO2012100915A1] The invention relates to a device for transferring a hydraulic working pressure in a pressure fluid for pressure actuating hydraulic units of deep sea systems, in particular deepwater wells, wherein a first pressure chamber (19) for the pressure fluid, a displaceable piston arrangement (9, 11, 13) for changing the volume of said pressure chamber (19), and at least one second pressure chamber (21) are present in a cylinder arrangement (1), wherein the surrounding pressure of the deep sea can be applied to the second pressure chamber for a displacement of the piston arrangement (9, 11, 13) generating the working pressure in the first pressure chamber (19), characterized in that a pressure accumulator (37) is associated with the cylinder arrangement (1), the displaceable separating element (41) of said pressure accumulator separating a chamber (45) connected to the seawater from an actuating chamber (43), which contains an actuating fluid and is connected to the second pressure chamber (21) in order to apply the deep sea pressure to said second pressure chamber by means of the actuating fluid.

IPC 8 full level

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